

APPENDIX B

**GROUNDWATER MONITORING WELL CONSTRUCTION
APPLICATIONS, BORING AND CONSTRUCTION LOGS,
AND WELL DEVELOPMENT LOGS**

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Santa Clara Valley
Water District

WELL CONSTRUCTION COMPLETION NOTICE

FCE 158A (07-12-04)

Inspector: <u>Hendrix</u>	Date of Inspection: <u>7-13-05</u>	Permit: <u>05402397</u>
Well Owner: <u>US Navy</u>	Owner Well No.: <u>MCH-100A</u>	Well Registration No.: <u>06502W15K005</u>
Address: <u>Older Park Housing Area</u>	City or County: <u>Moffett Field</u>	
Drilling Company: <u>West Hazard</u>	Contractor: <u>Elva Trb. Fwy, Inc.</u>	
Cond. Bore: <u>4" dia</u>	Conductor Diameter: <u>25</u>	Boring Diameter: <u>10</u>
Casing Diameter & Material: <u>4" dia</u>	Screen Interval(s): <u>14 - 24</u>	Seal Depth: <u>12'</u>
Filter Pack Material: <u>3/12</u>	Filter Pack Interval(s): <u>12 - 25</u>	Bent: <u>12 - 10</u>
Sealing Material: <u>X Neat Cement</u>	<input type="checkbox"/> 10 Sack Sand Slurry	Drilling Method: <u>X HSA</u>
<input type="checkbox"/> Bentonite Slurry	<input type="checkbox"/> Other (See Comments)	<input type="checkbox"/> Direct Push <input type="checkbox"/> Air Rotary
Well Type: <u>X GW Monitoring</u>	<input type="checkbox"/> GW Extraction	<input type="checkbox"/> Vadose Monitoring
<input type="checkbox"/> Domestic	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Industrial
<input type="checkbox"/> Elevator	<input type="checkbox"/> Other (See Comments)	<input type="checkbox"/> Cathodic
Well constructed according to provisions of Santa Clara Valley Water District Permit? <u>X</u> Yes <input checked="" type="checkbox"/> No (See Comments)		
Well Location: <u>375 N S: 45 101</u>	<u>35</u> fl. E <u>10W</u>	<u>Vernon Circle</u>
GPS Coordinates - Lat: <u>37 24 32.830 N</u>	Long: <u>122 04 06.054 W</u>	
Comments:		

Distribution: ORIGINAL-Permit File; YELLOW-City County; PINK-Well File; GOLDENROD-Permittee

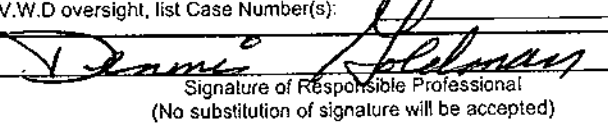

WELL CONSTRUCTION APPLICATION

FC 158 (12-16-02)

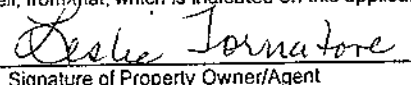
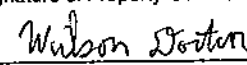
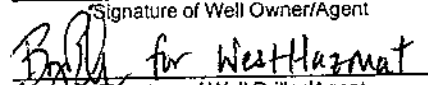
Page 1 of 2

TO BE COMPLETED BY DISTRICT		
District Permit No.: <u>05W00397</u>	Date Issued: <u>6-22-05</u>	Well Registration No.:
Geologic Setting: <u>01</u>	Expiration Date: <u>12-22-05</u>	Driller's Log No.: <u>026444</u>

TO BE COMPLETED BY OWNER AND DRILLER		
Well Owner: <u>U.S. Navy</u>	Property Owner: <u>U.S. Army</u>	Name of Business at Well Site: <u>Former NAS Moffett Field</u>
Well Owner's Mailing Address: <u>1220 Pacific Highway</u>	Property Owner's Mailing Address: <u>1325 J Street Attn: CESPK-RE-M</u>	Address of Well Site: <u>Orton Park Housing Area</u>
City, State, Zip: <u>San Diego, CA 92132</u>	City, State, Zip: <u>Sacramento, CA 95814</u>	City, State, Zip: <u>Moffett Field, CA 94035</u>
Telephone No. & Contact Name: <u>Rick Weissenborn 619-532-0952</u>	Telephone No. & Contact Name: <u>Mike Bain 916-557-6787</u>	Telephone No.:
Owner's/Consultant's Well No.: <u>MCH-1UA</u>		Assessor's Parcel Number of Well Site: <u>Book: 116 Page: 18 Parcel: 008</u>
Consultant (Company): <u>Tetra Tech FW, Inc.</u>	Drilling Company: <u>West Hazmat</u>	
Address: <u>1230 Columbia Street, Suite 500</u>	Address: <u>1016 East Katella Avenue</u>	
City, State, Zip: <u>San Diego, CA 92101</u>	City, State, Zip: <u>Anaheim, CA 92805</u>	
Telephone No.: <u>619-471-3525</u>	Telephone No.: <u>714-939-6850</u>	C-57 License No.: <u>819548</u>
<input type="checkbox"/> Check if address or phone number has changed		<input type="checkbox"/> Check if address or phone number has changed

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS	
CASE NAME: <u>Former NAS Moffett Field</u>	
Oversight Agency: <u>EPA/RWQCB</u>	If under S.C.V.W.D oversight, list Case Number(s):
Type of monitoring device: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	 Signature of Responsible Professional (No substitution of signature will be accepted)
Type of extraction device: <input type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	
Monitoring well use: <input type="checkbox"/> Depth <input checked="" type="checkbox"/> Quality <input type="checkbox"/> Chloride	
Nested Well: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Note: If Nested Well is proposed, a separate permit is needed for each casing.	 Print Name: <u>Dennis Goldman</u> # <u>4509</u> Registration No. Civil Engineer OR Registration No. Geologist

Estimated Depth of Completed Well: <input checked="" type="checkbox"/> Less than 50 ft. <input type="checkbox"/> 50 to 300 ft. <input type="checkbox"/> Over 300 ft. <input type="checkbox"/> Other: _____
Purpose of Well: <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Agricultural <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Cathodic Protection <input type="checkbox"/> Other: _____
*Monitoring wells are those constructed for the purpose of obtaining repetitive water level measurements and/or repetitive air samples for analysis.
Well is to be Constructed: <input type="checkbox"/> In a public sidewalk <input type="checkbox"/> In a public road <input type="checkbox"/> On public property <input checked="" type="checkbox"/> On private property <input type="checkbox"/> On SCVWD property*
Within 50 ft. of the top of a creek: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 50 ft. of any existing well: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 50 ft. of sanitary sewer: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Within 150 ft. of a cesspool or seepage pit: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 100 ft. of a pit privy, septic tank, leachfield: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Other wells exist on this property? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
*See General Condition E, page 2.
Status: <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Abandoned

CERTIFICATION BY WELL OWNER/AGENT AND DRILLER/AGENT		
I certify that the information given above is correct. I certify that the well will be constructed in compliance with the conditions of this permit (See Page 2), and Santa Clara Valley Water District Ordinance 90-1. I also certify that a right of entry/encroachment agreement has been formalized between the well owner and property owner, if parties differ. I understand that it is my responsibility as the well owner, to notify this District of any changes in the purpose of this well, from that, which is indicated on this application. NOTE: All applicable signatures must be present before permit will be processed.		
 Signature of Property Owner/Agent	<u>6/9/05</u> Date	Leslie Tornatore Acting Chief, Real Estate Division Print Name of Property Owner/Agent
 Signature of Well Owner/Agent	<u>6/6/05</u> Date	Wilson Doctor Print Name of Well Owner/Agent
 Signature of Well Driller/Agent	<u>6-6-05</u> Date	BRYCE BARTELMA Print Name of Driller/Agent

IMPORTANT: A minimum 24-hour notice must be given to SCVWD for inspection prior to or to seal the annular seal. Call (408) 265-2607 Ext. 2660. For weekends, 1-800-451-1007 or after hours call (408) 265-2607 ext. 2120.

JUN 13 2005

DISTRICT WELL PERMIT NO.: 05W00397

Based on information on this application and attachment(s) hereto (if any) and subject to approval noted below, permission is hereby granted to construct (drill) the described well. Permission to start work may be withheld until a field check verifies all statements made on application by Permittee and is also subject to the "General" and "Special" Conditions stated below.

COUNTY OF SANTA CLARA DEPARTMENT OF ENVIRONMENTAL HEALTH APPROVAL

Domestic Water Supply Wells Only (Note: D. E. H. Approval must be granted before this application will be accepted by S.C.V.W.D.)

Date: _____ Approved By: _____, R.E.H.S.

Approved As Submitted: ☐ Approved As Corrected: ☐

SITE PLAN

A SITE PLAN MUST BE ATTACHED TO THIS APPLICATION

THE SITE PLAN MUST BE SUBMITTED ON 8 1/2" X 11" PAPER

THE SITE PLAN MUST CONTAIN:

1. Location of site features, including major buildings, landscaped areas, tank fields, existing wells, etc.
2. North arrow and scale
3. Location of proposed well with dimensions in feet from well to nearest cross streets

GENERAL CONDITIONS

- A. SCVWD (Telephone 408-265-2607, Ext. 2660) MUST BE NOTIFIED A MINIMUM OF ONE WORKING DAY BEFORE CONSTRUCTION OF THE ANNULAR SEAL. An authorized District representative must be on site to witness the construction of the annular seal. This requirement may be waived by an authorized District representative. If the District waives the inspection requirement, the District may request the Permittee(s) to furnish certification, under penalty of perjury, that the well was constructed in accordance with the District Well Standards and with the permit conditions.
- B. This Permit is valid only for the purpose specified herein. Well construction methods authorized under this Permit may not be changed except by written approval of an authorized District representative, and only if the District believes that such a change will result in equal or superior compliance with the District and State Well Standards (e.g. if the District representative finds that site conditions warrant such a change).
- C. This Permit is only valid for the Assessor's Parcel Number indicated on it.
- D. This Permit may be voided if it contains incorrect information. If the permit is voided after work has begun, the well or boring that was constructed under this permit must be destroyed in accordance with District and State Well Standards.
- E. If any work associated with this permit will take place within 50 feet of the top of the banks of a stream, water course, or on SCVWD Property, an encroachment or construction permit must be granted by the District's Community Projects Review Unit (telephone 408-265-2607 Ext. 2589).
- F. Before the well constructed under this permit can be used as a drinking water source, its use must be approved by the regulatory agency with authority over such use (typically the Santa Clara County Department of Environmental Health or the State of California, Department of Water Resources, Office of Drinking Water).
- G. If the well constructed under this permit cannot be or is not being used for its intended purpose, permittee is hereby required to destroy the well according to the District Well Standards and under permit from the District. Any test holes drilled under this permit must be destroyed within 24-hours of completion of testing activities. Destruction activities must be completed according to SCVWD standards. SCVWD must be notified a minimum of 24-hours prior to destruction.
- H. Within 60 days of the completion of the well construction activities, the driller or consultant identified on this permit shall fully complete State of California DWR Form 188 and mail the original to the District's Wells and Water Production Unit.
- I. The Permittee(s) shall assume entire responsibility for all activities and uses under this Permit and shall indemnify, defend, and hold the District, its officers, agents, and employees, free and harmless from any and all expense, cost, and liability in connection with or resulting from, the granting or exercise of this Permit including, but not limited to, property damage, personal injury, and wrongful death.
- J. Permittees are required to be in full compliance with Cal/OSHA California Labor Code Section 6300.
- K. A current C-57 Water Well Drilling Contractor's License is required for the construction of all wells.
- L. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all materials or waters generated during drilling, well construction, well development, pump testing, or other activities associated with this Permit, will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on- or off-site storm sewers, dry wells, or waterways. Such materials/waters must not be allowed to move off the property where the work is being completed.
- M. The driller and consultants (if applicable) shall have an active copy of their Worker's Compensation Insurance on file with District.
- N. This Permit shall expire if not exercised within 180 calendar days of its approval, unless an extension of the permit expiration date is granted by an authorized District representative.
- O. This permit must be kept on-site during the completion of all activities associated with it and shall immediately be presented to an authorized District representative upon request.

Special Conditions:

Community Projects Review Unit Approval: (if needed)

CPRU Permit No.:

Approved By:

Date:

6-22-05

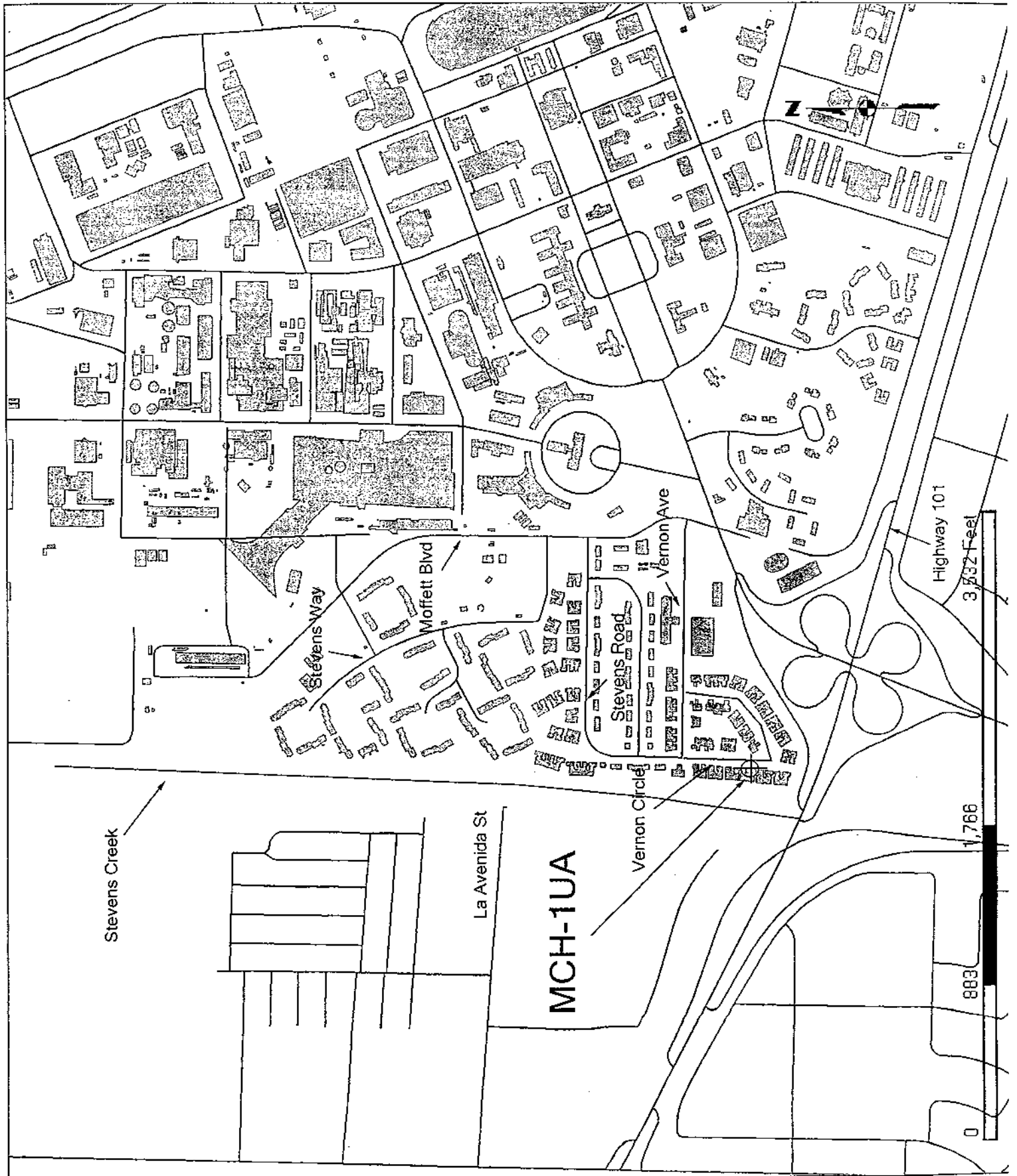
PLEASE ALLOW 10 WORKING DAYS TO PROCESS THIS APPLICATION

Orion
Park
Housing
Area

Legend

ROADS

BDOs



Orion Park Housing Area



Well Annotations- 985 Wells Selected

APN: 11618008
Bayshore Pky
Mountain View CA
94043

No	Well_nbr	Permit	Consultnum	Status	Easting	Northing
1	No Data	No Data	No Data	Other-Active	6109971	1976272
2	No Data	UNKNOWN	ERM-1	Undetermined	6111317	1974128
3	No Data	UNKNOWN	ERM-3	Undetermined	6111346	1974136
4	No Data	UNKNOWN	14D25A2	Undetermined	6109335	1978251
5	No Data	UNKNOWN	W3-7	Undetermined	6113613	1980783
6	No Data	UNKNOWN	FP9-1	Undetermined	6109814	1976834
7	No Data	UNKNOWN	W4-3	Undetermined	6113526	1979308
8	No Data	UNKNOWN	ERM-2	Undetermined	6111330	1974195
9	No Data	UNKNOWN	W3-21	Undetermined	6113934	1980166
10	No Data	UNKNOWN	ERM-6	Undetermined	6110309	1975615
11	No Data	UNKNOWN	W29-3	Undetermined	6109689	1976851
12	No Data	UNKNOWN	W67-1	Undetermined	6110226	1975707
13	No Data	UNKNOWN	ERM-5	Undetermined	6110196	1975736
14	No Data	UNKNOWN	ERM-4	Undetermined	6110130	1975715
15	No Data	UNKNOWN	14M2	Undetermined	6110071	1975695
16	No Data	UNKNOWN	W4-1	Undetermined	6113613	1979474
17	No Data	UNKNOWN	14(C)	Undetermined	6110989	1977376
18	No Data	UNKNOWN	WU4-2	Undetermined	6110276	1973903
19	No Data	UNKNOWN	W4-11-P1	Undetermined	6114321	1979445
20	No Data	UNKNOWN	W4-4	Undetermined	6113771	1979258

(See attached sheet(s) for additional wells)

- Wells.shp
- Water Supply - Active
 - Water Supply - Standby
 - Water Supply - Inactive
 - Extraction (Env) - Active
 - Extraction (Env) - Inactive
 - Other - Active
 - Other - Inactive
 - Abandoned
 - Destroyed
 - Status Undetermined
- Parcels.shp
- VALFLOOR.SHIP
- Zone 1
 - Zone 2
 - Zone 3
 - Zone 4
 - Zone 5

Approximate Scale

250 0 250 500 Feet

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Santa Clara Valley
Water District

WELL CONSTRUCTION COMPLETION NOTICE

FCE 158A (07-12-04)

Inspector:	Thiemann		Date of Inspection:	4/13/05	Permit:	05W00399
Well Owner:	U.S. Navy		Owner Well No.:	MCH-22A	Well Registration No.:	06502W15K006
Address of Well Site:	Orion Park Housing, Moffett Field		City:	San Francisco	County:	San Francisco
Drilling Company:	West Hazmat		Consultant:	Fetra Tech FW		
Cond. Bore:	Conductor Depth:	Conductor Diameter & Material:	TD:	Boring Diameter:	BOC:	
			49	10	42	
Casing Diameter & Material:	Slot Size:	Screen Interval(s):				
4" PVC	010	42-32				
Filter Pack Material:	Filter Pack Interval(s):	Bent:	Seal Depth:			
2/12	43-30	30-28	30			
Sealing Material:	Neat Cement	10 Sack Sand Slurry	Drilling Method:	HSA	Mud rotary	Other (See Comments)
	<input checked="" type="checkbox"/> Bentonite Slurry	<input type="checkbox"/> Other (See Comments)		<input checked="" type="checkbox"/> Direct Push	<input type="checkbox"/> Air Rotary	
Well Type:	<input checked="" type="checkbox"/> GW Monitoring	<input type="checkbox"/> GW Extraction	<input type="checkbox"/> Vadose Monitoring	<input type="checkbox"/> Vadose Extraction	<input type="checkbox"/> Cathodic	
	<input type="checkbox"/> Domestic	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Industrial	<input type="checkbox"/> Elevator	<input type="checkbox"/> Other (See Comments)	
Well constructed according to provisions of Santa Clara Valley Water District Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)						
Well Location:	460 N. S. Vernon Ave	41	N.E. (W.)	Vernon Circle		
GPS Coordinates - Lat:	No GPS	Long:		No GPS		
Comments:	Bent 49-43					

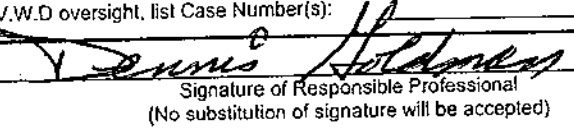
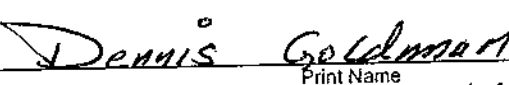
Distribution: ORIGINAL-Permit File; YELLOW-City/County; PINK-Well File; GOLDENROD-Permittee

WELL CONSTRUCTION APPLICATION

FC 158 (12-16-02)
Page 1 of 2

TO BE COMPLETED BY DISTRICT		
District Permit No.: <u>05W00399</u>	Date Issued: <u>6-22-05</u>	Well Registration No.:
Geologic Setting: <u>01</u>	Expiration Date: <u>12-22-05</u>	Driller's Log No.: <u>026446</u>

TO BE COMPLETED BY OWNER AND DRILLER		
Well Owner: <u>U.S. Navy</u>	Property Owner: <u>U.S. Army</u>	Name of Business at Well Site: <u>Former NAS Moffett Field</u>
Well Owner's Mailing Address: <u>1220 Pacific Highway</u>	Property Owner's Mailing Address: <u>1325 J Street Apt: CESPK-RE-M</u>	Address of Well Site: <u>Orion Park Housing Area</u>
City, State, Zip: <u>San Diego, CA 92132</u>	City, State, Zip: <u>Sacramento, CA 95814</u>	City, State, Zip: <u>Moffett Field, CA 94035</u>
Telephone No. & Contact Name: <u>Rick Weissenbaum 619-532-0952</u>	Telephone No. & Contact Name: <u>Mike Bain 916-557-6787</u>	Telephone No.:
Owner's/Consultant's Well No.: <u>MCH-2LA</u>		Assessor's Parcel Number of Well Site: <u>Book: 116 Page: 18 Parcel: 008</u>
Consultant (Company): <u>Tetra Tech FN, Inc.</u>	Drilling Company: <u>West Hazmat</u>	
Address: <u>1230 Columbia Street, Suite 500</u>	Address: <u>1016 East Katella Avenue</u>	
City, State, Zip: <u>San Diego, CA 92101</u>	City, State, Zip: <u>Anaheim, CA 92805</u>	
Telephone No.: <u>619-471-3525</u>	Telephone No.: <u>714-939-6850</u>	C-57 License No.: <u>819548</u>
<input type="checkbox"/> Check if address or phone number has changed	<input type="checkbox"/> Check if address or phone number has changed	

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS	
CASE NAME: <u>Former NAS Moffett Field</u>	
Oversight Agency: <u>EPA/RWQCB</u>	If under S.C.V.W.D oversight, list Case Number(s):
Type of monitoring device: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	 Signature of Responsible Professional (No substitution of signature will be accepted)
Type of extraction device: <input type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	
Monitoring well use: <input type="checkbox"/> Depth <input checked="" type="checkbox"/> Quality <input type="checkbox"/> Chloride	
Nested Well: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Note: If Nested Well is proposed, a separate permit is needed for each casing.	 Print Name: <u>Dennis Goldman</u> Registration No. Civil Engineer OR <u>4509</u> Registration No. Geologist

Estimated Depth of Completed Well: <input checked="" type="checkbox"/> Less than 50 ft. <input type="checkbox"/> 50 to 300 ft. <input type="checkbox"/> Over 300 ft. <input type="checkbox"/> Other: _____
Purpose of Well: <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Agricultural <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Cathodic Protection <input type="checkbox"/> Other: _____
*Monitoring wells are those constructed for the purpose of obtaining repetitive water level measurements and/or repetitive air samples for analysis.
Well is to be Constructed: <input type="checkbox"/> In a public sidewalk <input type="checkbox"/> In a public road <input type="checkbox"/> On public property <input checked="" type="checkbox"/> On private property <input type="checkbox"/> On SCVWD property*
Within 50 ft. of the top of a creek* <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Within 50 ft. of any existing well <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 50 ft. of sanitary sewer <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Within 150 ft. of a cesspool or seepage pit <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 100 ft. of a pit privy, septic tank, leachfield <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Other wells exist on this property? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Status: <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Abandoned

CERTIFICATION BY WELL OWNER/AGENT AND DRILLER/AGENT		
I certify that the information given above is correct. I certify that the well will be constructed in compliance with the conditions of this permit (See Page 2), and Santa Clara Valley Water District Ordinance 90-1. I also certify that a right of entry/encroachment agreement has been formalized between the well owner and property owner, if parties differ. I understand that it is my responsibility as the well owner, to notify this District of any changes in the purpose of this well, from that, which is indicated on this application. NOTE: All applicable signatures must be present before permit will be processed.		
<u>Leslie Tornatore</u> Signature of Property Owner/Agent	<u>6/9/05</u> Date	<u>Leslie Tornatore</u> Acting Chief, Real Estate Division Print Name of Property Owner/Agent
<u>Wilson Dorton</u> Signature of Well Owner/Agent	<u>6/6/05</u> Date	<u>Wilson Dorton</u> Print Name of Well Owner/Agent
<u>Bryce Bartelma</u> Signature of Well Driller/Agent	<u>6-6-05</u> Date	<u>BRYCE BARTELM</u> Print Name of Driller/Agent

IMPORTANT: A minimum 24-hour notice must be given to SCVWD for well construction. The well owner must provide a minimum 24-hour notice to the SCVWD. Call (408) 265-2607 Ext. 2660. For weekends, holidays, or after hours call (408) 265-2600 Ext. 220.

JUN 13 2005

SCVWD

DISTRICT WELL PERMIT NO.: 05W00399

Based on information on this application and attachment(s) hereto (if any) and subject to approval noted below, permission is hereby granted to construct (drill) the described well. Permission to start work may be withheld until a field check verifies all statements made on application by Permittee and is also subject to the "General" and "Special" Conditions stated below.

COUNTY OF SANTA CLARA DEPARTMENT OF ENVIRONMENTAL HEALTH APPROVAL

Domestic Water Supply Wells Only (Note: D. E. H. Approval must be granted before this application will be accepted by S.C.V.W.D.)

Date: _____ Approved By: _____, R.E.H.S.

Approved As Submitted: ☐ Approved As Corrected: ☐

SITE PLAN

A SITE PLAN MUST BE ATTACHED TO THIS APPLICATION

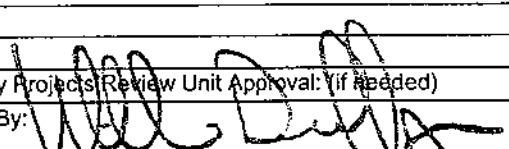
THE SITE PLAN MUST BE SUBMITTED ON 8 1/2" X 11" PAPER

THE SITE PLAN MUST CONTAIN:

1. Location of site features, including major buildings, landscaped areas, tank fields, existing wells, etc.
2. North arrow and scale
3. Location of proposed well with dimensions in feet from well to nearest cross streets

GENERAL CONDITIONS

- A. SCVWD (Telephone 408-265-2607, Ext. 2660) MUST BE NOTIFIED A MINIMUM OF ONE WORKING DAY BEFORE CONSTRUCTION OF THE ANNULAR SEAL. An authorized District representative must be on site to witness the construction of the annular seal. This requirement may be waived by an authorized District representative. If the District waives the inspection requirement, the District may request the Permittee(s) to furnish certification, under penalty of perjury, that the well was constructed in accordance with the District Well Standards and with the permit conditions.
- B. This Permit is valid only for the purpose specified herein. Well construction methods authorized under this Permit may not be changed except by written approval of an authorized District representative, and only if the District believes that such a change will result in equal or superior compliance with the District and State Well Standards (e.g. if the District representative finds that site conditions warrant such a change).
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- D. This Permit may be voided if it contains incorrect information. If the permit is voided after work has begun, the well or boring that was constructed under this permit must be destroyed in accordance with District and State Well Standards.
- E. If any work associated with this permit will take place within 50 feet of the top of the banks of a stream, water course, or on SCVWD Property, an encroachment or construction permit must be granted by the District's Community Projects Review Unit (telephone 408-265-2607 Ext. 2589).
- F. Before the well constructed under this permit can be used as a drinking water source, its use must be approved by the regulatory agency with authority over such use (typically the Santa Clara County Department of Environmental Health or the State of California, Department of Water Resources, Office of Drinking Water).
- G. If the well constructed under this permit cannot be or is not being used for its intended purpose, permittee is hereby required to destroy the well according to the District Well Standards and under permit from the District. Any test holes drilled under this permit must be destroyed within 24-hours of completion of testing activities. Destruction activities must be completed according to SCVWD standards. SCVWD must be notified a minimum of 24-hours prior to destruction.
- H. Within 60 days of the completion of the well construction activities, the driller or consultant identified on this permit shall fully complete State of California DWR Form 188 and mail the original to the District's Wells and Water Production Unit.
- I. The Permittee(s) shall assume entire responsibility for all activities and uses under this Permit and shall indemnify, defend, and hold the District, its officers, agents, and employees, free and harmless from any and all expense, cost, and liability in connection with or resulting from, the granting or exercise of this Permit including, but not limited to, property damage, personal injury, and wrongful death.
- J. Permittees are required to be in full compliance with Cal/OSHA California Labor Code Section 6300.
- K. A current C-57 Water Well Drilling Contractor's License is required for the construction of all wells.
- L. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all materials or waters generated during drilling, well construction, well development, pump testing, or other activities associated with this Permit, will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on- or off-site storm sewers, dry wells, or waterways. Such materials/waters must not be allowed to move off the property where the work is being completed.
- M. The driller and consultants (if applicable) shall have an active copy of their Worker's Compensation Insurance on file with District.
- N. This Permit shall expire if not exercised within 180 calendar days of its approval, unless an extension of the permit expiration date is granted by an authorized District representative.
- O. This permit must be kept on-site during the completion of all activities associated with it and shall immediately be presented to an authorized District representative upon request.

Special Conditions:	
Community Projects Review Unit Approval: (if needed)	CPRU Permit No.:
Approved By: 	Date: <u>6-22-05</u>

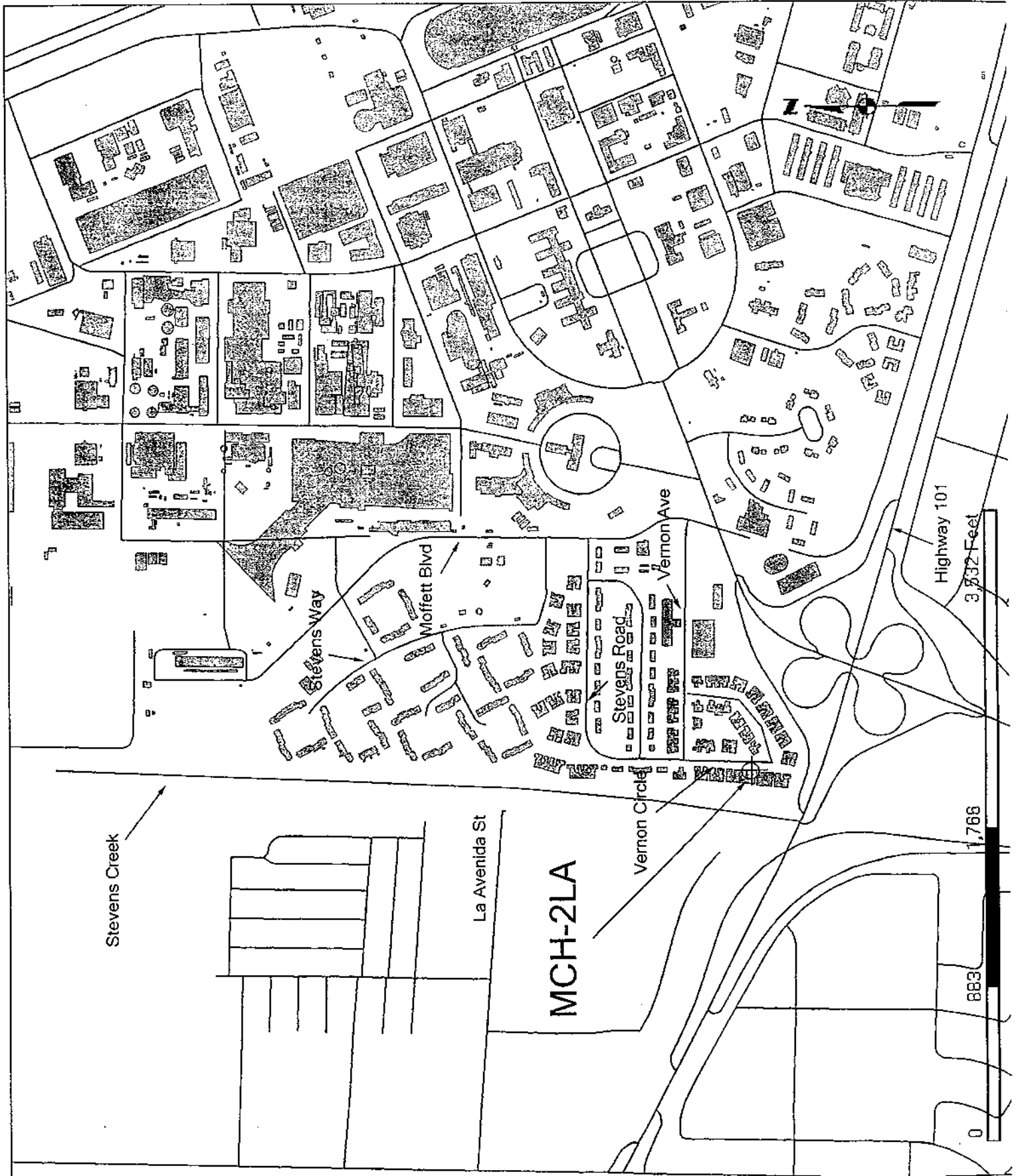
PLEASE ALLOW 10 WORKING DAYS TO PROCESS THIS APPLICATION

Orion
Park
Housing
Area

Legend

ROADS

BIDGS



Orion Park Housing Area



Well Annotations- 985 Wells Selected

APN: 11618008
Bayshore Pky
Mountain View CA
94043

No	Well_nbr	Permit	Consultnum	Status	Easting	Northing
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2	No Data	UNKNOWN	ERM-1	Undetermined	6111317	1974128
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20	No Data	UNKNOWN	W4-4	Undetermined	6113771	1979258

- Wells.shp
- ⊕ Water Supply - Active
 - ⊕ Water Supply - Standby
 - ⊕ Water Supply - Inactive
 - ⊕ Extraction (Env) - Active
 - ⊕ Extraction (Env) - Inactive
 - ⊕ Other - Active
 - ⊕ Other - Inactive
 - ⊕ Abandoned
 - ⊕ Destroyed
 - ⊕ Status Undetermined
- Parcels.shp
- ▲ Fuelleak.shp
- VALFLOOR.SHP
- Zone 1
 - Zone 2
 - Zone 3
 - Zone 4
 - Zone 5

Approximate Scale

250 0 250 500 Feet

(See attached sheet(s) for additional wells)

ORIGINAL
File with DWR

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

Page 1 of 1
Owner's Well No. MCH-3UA No. e026445
Date Work Began 7-12-05 Ended 7-12-05
Local Permit Agency SCVWD
Permit No. 05W00398 Permit Date 6-22-05

DWR USE ONLY — DO NOT FILL IN

STATE WELL NO./STATION NO.	
LATITUDE	LONGITUDE
APN/TRS/OTHER	

GEOLOGIC LOG

ORIENTATION (✓) ☒ VERTICAL ☐ HORIZONTAL ☐ ANGLE _____ (SPECIFY)

DRILLING METHOD HSA FLUID N/A

DEPTH FROM SURFACE
FL. to FL.

DESCRIPTION
Describe material, grain size, color, etc.

SEE ATTACHED BORING LOG

WELL OWNER

Name U.S. Dept. of Navy
Mailing Address 1220 Pacific Highway
San Diego CA 92132
CITY STATE ZIP

WELL LOCATION

Address Former NAS Moffett Field - Orion Park
City Moffett Field, CA
County Santa Clara
APN Book 116 Page 18 Parcel 008
Township 6S Range 2W Section 10
Latitude _____ NORTH Longitude _____ WEST
DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH

NORTH

vernon Ave.

Bldg. 546

Parking Lot

MCH-3UA

Fence

SOUTH

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. **PLEASE BE ACCURATE & COMPLETE.**

ACTIVITY (✓)

☒ NEW WELL

MODIFICATION/REPAIR
☐ Deepen
☐ Other (Specify) _____

DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (✓)

WATER SUPPLY
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial

MONITORING ☒

TEST WELL ☐

CATHODIC PROTECTION ☐

HEAT EXCHANGE ☐

DIRECT PUSH ☐

INJECTION ☐

VAPOR EXTRACTION ☐

SPARGING ☐

REMEDICATION ☐

OTHER (SPECIFY) _____

TOTAL DEPTH OF BORING 24.5 (Feet)
TOTAL DEPTH OF COMPLETED WELL 23.5 (Feet)

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 10 (FL) BELOW SURFACE

DEPTH OF STATIC WATER LEVEL 10.32 (FL) & DATE MEASURED 8-3-05

ESTIMATED YIELD N/A (GPM) & TEST TYPE N/A

TEST LENGTH N/A (Hrs.) TOTAL DRAWDOWN N/A (FL)

* May not be representative of a well's long-term yield.

DEPTH FROM SURFACE			BORE-HOLE DIA. (Inches)	CASING (S)					DEPTH FROM SURFACE	ANNULAR MATERIAL				
				TYPE (✓)				MATERIAL / GRADE		INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE	
Fl.	to	Fl.	BLANK	SCREEN	CON- DUCTOR	FILL PIPE								CE- MENT (✓)
0	13	10	✓				PVC	4	SCH 40	N/A	✓			Portland
13	23.5	10		✓			PVC	4	SCH 40	0.010		✓		Pellets
												✓		#212 Sand

ATTACHMENTS (✓)

☒ Geologic Log
☒ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☐ Other _____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Tetra Tech EC, Inc.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS 1230 Columbia Street, Suite 500, San Diego, CA CITY San Diego STATE CA ZIP 92101

Signed [Signature] WELL DRILLER AUTHORIZED REPRESENTATIVE DATE SIGNED 8-29-05 C-57 LICENSE NUMBER 819548

Santa Clara Valley Water District

WELL CONSTRUCTION COMPLETION NOTICE

FCE 158A (09-05-02)

Inspector:	Thiemann		Date of Inspection:	7/12/05	Permit:	05W00398
Well Owner:	Lt. S. Navy		Drilling Well No.:	MCH 344	Well Registration No.:	06SG2W15K003
Address of Well Site:			City or County:			
Orion Park Housing, off Vernon, Moffett Field			San Diego			
Drilling Company:			Consultant:			
West Hazemat			Tetra Tech PW			
Cond. Bore:	Conductor Depth:	Conductor Diameter & Material:	ID:	Boring Diameter:	BOC:	
			24.5	10"	23	
Casing Diameter & Material:	Slot Size:	Screen Interval(s):	Bent:	Seal Depth:		
4" PVC	0.10	23-13	11-9	11		
Filter Pack Material:	Filter Pack Interval(s):					
10/20						
Sealing Material:	Neat Cement:	10 Sack Sand Slurry:	Drilling Method:	HSA:	Other (See Comments)	
	<input checked="" type="checkbox"/> Bentonite Slurry	<input type="checkbox"/> Other (See Comments)	<input checked="" type="checkbox"/> Direct Push	<input type="checkbox"/> Mud rotary	<input type="checkbox"/> Air Rotary	
Well Type:	<input checked="" type="checkbox"/> GW Monitoring	<input type="checkbox"/> GW Extraction	<input type="checkbox"/> Vadose Monitoring	<input type="checkbox"/> Vadose Extraction	<input type="checkbox"/> Cathodic	
	<input type="checkbox"/> Domestic	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Industrial	<input type="checkbox"/> Elevator	<input type="checkbox"/> Other (See Comments)	
Well constructed according to provisions of Santa Clara Valley Water District Permit?						
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)						
Well Location:	315 N. S. Vernon		150 W. Vernon Circle			
GPS Coordinates - Lat:	37-24-33.189N		Long: 122-03-56.649W			
Comments:	No GPS					

Distribution: ORIGINAL-Permit File; YELLOW-City/County; PINK-Well File; GOLDENROD-Permittee

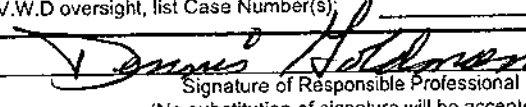
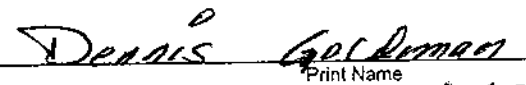
WELL CONSTRUCTION APPLICATION

FC 158 (12-16-02)

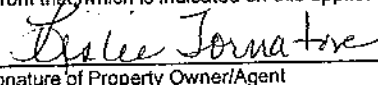
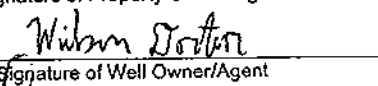

Page 1 of 2

TO BE COMPLETED BY DISTRICT		
District Permit No.: <u>05W00398</u>	Date Issued: <u>6-22-05</u>	Well Registration No.:
Geologic Setting: <u>01</u>	Expiration Date: <u>12-22-05</u>	Driller's Log No.: <u>026445</u>

TO BE COMPLETED BY OWNER AND DRILLER		
Well Owner: <u>U.S. Navy</u>	Property Owner: <u>U.S. Army</u>	Name of Business at Well Site: <u>Former NAS Moffett Field</u>
Well Owner's Mailing Address: <u>1220 Pacific Highway</u>	Property Owner's Mailing Address: <u>1335 J Street Apt: CESPKRE-M</u>	Address of Well Site: <u>Orion Park Housing Area</u>
City, State, Zip: <u>San Diego, CA 92132</u>	City, State, Zip: <u>Sacramento, CA 95814</u>	City, State, Zip: <u>Moffett Field, CA 94035</u>
Telephone No. & Contact Name: <u>Rick Weissenborn 619-532-0952</u>	Telephone No. & Contact Name: <u>Mike Bain 916-557-6787</u>	Telephone No.:
Owner's/Consultant's Well No.: <u>MCH-3UA</u>	Assessor's Parcel Number of Well Site: Book: <u>116</u> Page: <u>18</u> Parcel: <u>008</u>	
Consultant (Company): <u>Tetra Tech FN, Inc.</u>	Drilling Company: <u>West HazMat</u>	
Address: <u>1230 Columbia Street, Suite 500</u>	Address: <u>1016 East Katella Avenue</u>	
City, State, Zip: <u>San Diego, CA 92101</u>	City, State, Zip: <u>Anaheim, CA 92805</u>	
Telephone No.: <u>619-471-3525</u>	Telephone No.: <u>714-939-6850</u>	C-57 License No.: <u>819548</u>
<input type="checkbox"/> Check if address or phone number has changed		<input type="checkbox"/> Check if address or phone number has changed

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS	
CASE NAME: <u>Former NAS Moffett Field</u>	
Oversight Agency: <u>EPA/RWACB</u>	If under S.C.V.W.D oversight, list Case Number(s):
Type of monitoring device: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	 Signature of Responsible Professional (No substitution of signature will be accepted)
Type of extraction device: <input type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	
Monitoring well use: <input type="checkbox"/> Depth <input checked="" type="checkbox"/> Quality <input type="checkbox"/> Chloride	
Nested Well: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Note: If Nested Well is proposed, a separate permit is needed for each casing.	 Print Name: <u>Dennis Golderman</u> # <u>4509</u> Registration No. Civil Engineer OR Registration No. Geologist

Estimated Depth of Completed Well: <input checked="" type="checkbox"/> Less than 50 ft. <input type="checkbox"/> 50 to 300 ft. <input type="checkbox"/> Over 300 ft. <input type="checkbox"/> Other: _____
Purpose of Well: <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Agricultural <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Cathodic Protection <input type="checkbox"/> Other: _____
*Monitoring wells are those constructed for the purpose of obtaining repetitive water level measurements and/or repetitive air samples for analysis.
Well is to be Constructed: <input type="checkbox"/> In a public sidewalk <input type="checkbox"/> In a public road <input type="checkbox"/> On public property <input checked="" type="checkbox"/> On private property <input type="checkbox"/> On SCVWD property*
Within 50 ft. of the top of a creek* <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 50 ft. of any existing well <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 50 ft. of sanitary sewer <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Within 150 ft. of a cesspool or seepage pit <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 100 ft. of a pit privy, septic tank, leachfield <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Other wells exist on this property? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
*See General Condition E, page 2.
Status: <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Abandoned

CERTIFICATION BY WELL OWNER/AGENT AND DRILLER/AGENT		
I certify that the information given above is correct. I certify that the well will be constructed in compliance with the conditions of this permit (See Page 2), and Santa Clara Valley Water District Ordinance 90-1. I also certify that a right of entry/encroachment agreement has been formalized between the well owner and property owner, if parties differ. I understand that it is my responsibility as the well owner, to notify this District of any changes in the purpose of this well, from that which is indicated on this application. NOTE: All applicable signatures must be present before permit will be processed.		
 Signature of Property Owner/Agent	<u>6/9/05</u> Date	Leslie Tornatore Acting Chief, Real Estate Division Print Name of Property Owner/Agent
 Signature of Well Owner/Agent	<u>6/6/05</u> Date	Wilson Doctor Print Name of Well Owner/Agent
 Signature of Well Driller/Agent	<u>6-6-05</u> Date	BRYCE BARTELMA Print Name of Driller/Agent

IMPORTANT: A minimum 24-hour notice must be given to Santa Clara Valley Water District for well construction. The annual seal. Call (408) 265-2607 Ext. 2660. For weekends, call (408) 265-3011 x. 2120.

JUN 13 2005

SCVWD

DISTRICT WELL PERMIT NO.: 05W00398

Based on information on this application and attachment(s) hereto (if any) and subject to approval noted below, permission is hereby granted to construct (drill) the described well. Permission to start work may be withheld until a field check verifies all statements made on application by Permittee and is also subject to the "General" and "Special" Conditions stated below.

COUNTY OF SANTA CLARA DEPARTMENT OF ENVIRONMENTAL HEALTH APPROVAL

Domestic Water Supply Wells Only (Note: D. E. H. Approval must be granted before this application will be accepted by S.C.V.W.D.)

Date: _____ Approved By: _____, R.E.H.S.

Approved As Submitted: ☐ Approved As Corrected: ☐

SITE PLAN

A SITE PLAN MUST BE ATTACHED TO THIS APPLICATION

THE SITE PLAN MUST BE SUBMITTED ON 8 1/2" X 11" PAPER

THE SITE PLAN MUST CONTAIN:

1. Location of site features, including major buildings, landscaped areas, tank fields, existing wells, etc.
2. North arrow and scale
3. Location of proposed well with dimensions in feet from well to nearest cross streets

GENERAL CONDITIONS

- A. SCVWD (Telephone 408-265-2607, Ext. 2660) MUST BE NOTIFIED A MINIMUM OF ONE WORKING DAY BEFORE CONSTRUCTION OF THE ANNULAR SEAL. An authorized District representative must be on site to witness the construction of the annular seal. This requirement may be waived by an authorized District representative. If the District waives the inspection requirement, the District may request the Permittee(s) to furnish certification, under penalty of perjury, that the well was constructed in accordance with the District Well Standards and with the permit conditions.
- B. This Permit is valid only for the purpose specified herein. Well construction methods authorized under this Permit may not be changed except by written approval of an authorized District representative, and only if the District believes that such a change will result in equal or superior compliance with the District and State Well Standards (e.g. if the District representative finds that site conditions warrant such a change).
- C. This Permit is only valid for the Assessor's Parcel Number indicated on it.
- D. This Permit may be voided if it contains incorrect information. If the permit is voided after work has begun, the well or boring that was constructed under this permit must be destroyed in accordance with District and State Well Standards.
- E. If any work associated with this permit will take place within 50 feet of the top of the banks of a stream, water course, or on SCVWD Property, an encroachment or construction permit must be granted by the District's Community Projects Review Unit (telephone 408-265-2607 Ext. 2589).
- F. Before the well constructed under this permit can be used as a drinking water source, its use must be approved by the regulatory agency with authority over such use (typically the Santa Clara County Department of Environmental Health or the State of California, Department of Water Resources, Office of Drinking Water).
- G. If the well constructed under this permit cannot be or is not being used for its intended purpose, permittee is hereby required to destroy the well according to the District Well Standards and under permit from the District. Any test holes drilled under this permit must be destroyed within 24-hours of completion of testing activities. Destruction activities must be completed according to SCVWD standards. SCVWD must be notified a minimum of 24-hours prior to destruction.
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- J. Permittees are required to be in full compliance with Cal/OSHA California Labor Code Section 6300.
- K. A current C-57 Water Well Drilling Contractor's License is required for the construction of all wells.
- L. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all materials or waters generated during drilling, well construction, well development, pump testing, or other activities associated with this Permit, will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on- or off-site storm sewers, dry wells, or waterways. Such materials/waters must not be allowed to move off the property where the work is being completed.
- M. The driller and consultants (if applicable) shall have an active copy of their Worker's Compensation Insurance on file with District.
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- O. This permit must be kept on-site during the completion of all activities associated with it and shall immediately be presented to an authorized District representative upon request.

Special Conditions:

Community Projects Review Unit Approval (if needed)

Approved By:

CPRU Permit No.:

Date:

6-22-05

PLEASE ALLOW 10 WORKING DAYS TO PROCESS THIS APPLICATION

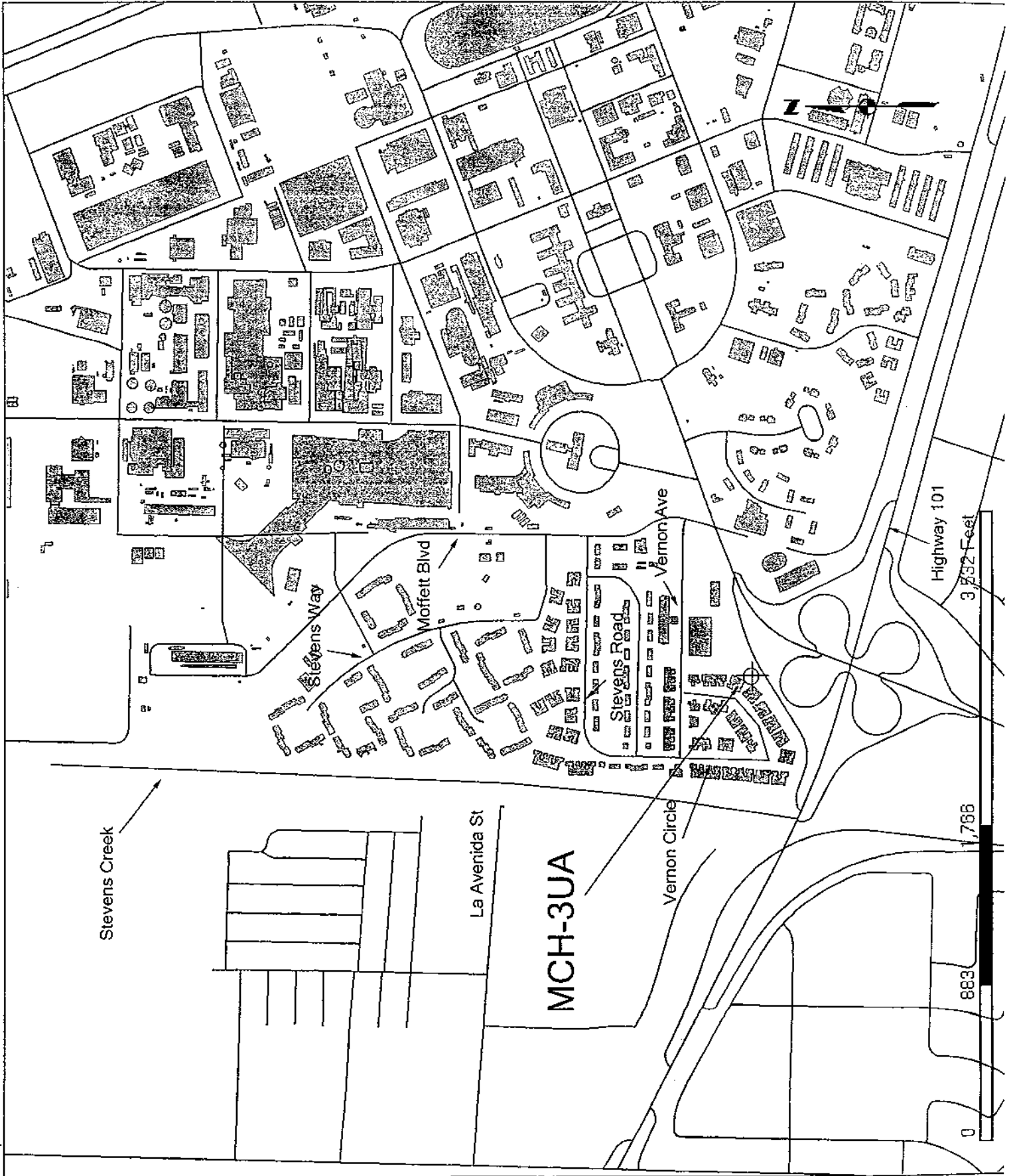


Orion
Park
Housing
Area

Legend

ROADS

BIDGS



Santa Clara Valley Water District

5750 ALMADEN EXPRESSWAY
SAN JOSE, CA 95118 3886

Orion Park Housing Area



Well Annotations - 985 Wells Selected

APN: 11618008
Bayshore Pky
Mountain View CA
94043

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(See attached sheet(s) for additional wells)

- Wells.shp
- ⊕ Water Supply - Active
 - ⊕ Water Supply - Standby
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 - ✱ Abandoned
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 - ▲ Status Undetermined
- Parcels.shp
- ▲ Fuelleak.shp
- VALFLOOR.SHX
- Zone 1
 - Zone 2
 - Zone 3
 - Zone 4
 - Zone 5

Approximate Scale

250 0 250 500 Feet

Permit No. 05W00400 Permit Date 6-22-05

Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN
 STATE WELL NO./STATION NO.
 LATITUDE LONGITUDE
 APN/TRS/OTHER

GEOLOGIC LOG

[illegible]

WELL OWNER

Name U.S. Dept. of Navy
Mailing Address 1220 Pacific Highway
San Diego CA 92132
CITY STATE ZIP

WELL LOCATION

Address Former NAS Moffett Field - Orion Park
City Moffett Field, CA
County Santa Clara
APN Book 116 Page 18 Parcel 008
Township 6S Range 7W Section 10
Latitude

NORTH		
DEG	MIN	SEC

 Longitude

WEST		
DEG	MIN	SEC

LOCATION SKETCH

- ACTIVITY (\leq)

☒ NEW WELL

MODIFICATION/REPAIR

____ Deepen

____ Other (Specify) _____

____ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (≤)

WATER SUPPLY

____ Domestic ____ Public

____ Irrigation ____ Industrial

MONITORING ☒

TEST WELL _____

CATHODIC PROTECTION _____

HEAT EXCHANGE _____

DIRECT PUSH _____

INJECTION _____

VAPOR EXTRACTION _____

SPARGING _____

REMEDIATION _____

OTHER (SPECIFY) _____

WATER LEVEL & YIELD OF COMPLETED WELL

WATER LEVEL _____ (FT.) BELOW SURFACE

DEPTH TO FIRST WATER 8 (FT.) BELOW SURFACE

DEPTH OF STATIC WATER LEVEL 8.81 (FT.) & DATE MEASURED 8-3-05

ESTIMATED YIELD * N/A (GPM) & TEST TYPE N/A

TEST LENGTH N/A (Hrs.) TOTAL DRAWDOWN N/A (FT.)

* May not be representative of a well's long-term yield.

DEPTH FROM SURFACE			BORE-HOLE DIA. (Inches)	CASING (S)						
				TYPE (\leq)				MATERIAL / GRADE	INTERNAL DIAMETER ("Inches)	Gauge OR WALL THICKNESS
FL	to	Fl.	BANK	SCREEN	CORR- DUCTOR	FILL PIPE				
0	:	34	✓				PVC	4	SCH 40	N/A
34	:	44		✓			PVC	4	SCH 40	0.010

DEPTH FROM SURFACE			ANNULAR MATERIAL			
			TYPE			
FL	to	Fl.	CE-MENT (\leq)	BEN-TONITE (\geq)	FILL (\leq)	FILTER PACK (TYPE/SIZE)
0	:	30	✓			Portland
30	:	32		✓		Pellets
32	:	46			✓	#2/12 sand
46	:	49		✓		Pellets

ATTACHMENTS (✓)

☒ Geologic Log
☒ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☐ Other

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Tetra Tech EC, Inc.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
1230 Columbia Street, Suite 500, San Diego, CA 92101
ADDRESS CITY STATE ZIP
BBN for WestHäzmat 8-29-05 819548
Signed _____ DATE SIGNED _____ G-57 LICENSE NUMBER _____
WELL DRILLER/AUTHORIZED REPRESENTATIVE

Santa Clara Valley
Water District

WELL CONSTRUCTION COMPLETION NOTICE

FCE 158A (07-12-04)



Inspector:	Hennessee	Date of Inspection:	7-18-05	Permit:	05SW00400
Well Owner:	US Navy	Owner Well No.:	MEH-46A	Well Registration No.:	06503W15K009
Address of Well Site:	Orion Park Housing Area	City or County:	Moffett Field		
Drilling Company:	West Hazmat	Consultant:	Tetra Tech, Inc.		
Cond. Bore:	Conductor Depth:	Conductor Diameter	TD: 49'	Boring Diameter:	10" BOC: 44'-5"
Casing Diameter & Material:	Slot Size: 010	Screen Interval(s):	34 - 44	Bent:	30-32
Filter Pack Material:	21/12	Filter Pack Interval(s):	32-46	Seal Depth:	32'
Sealing Material:	<input checked="" type="checkbox"/> Neat Cement	<input type="checkbox"/> 10 Sack Sand Slurry	Drilling Method:	<input checked="" type="checkbox"/> HSA	<input type="checkbox"/> Mud rotary
	<input type="checkbox"/> Bentonite Slurry	<input type="checkbox"/> Other (See Comments)		<input type="checkbox"/> Direct Push	<input type="checkbox"/> Air Rotary
Well Type:	<input checked="" type="checkbox"/> GW Monitoring	<input type="checkbox"/> GW Extraction	<input type="checkbox"/> Vadose Monitoring	<input type="checkbox"/> Vadose Extraction	<input type="checkbox"/> Cathodic
	<input type="checkbox"/> Domestic	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Industrial	<input type="checkbox"/> Elevator	<input type="checkbox"/> Other (See Comments)
Well constructed according to provisions of Santa Clara Valley Water District Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)					
Well Location:	220 th S: Moffett Blvd.	403 rd E: Verneer Circle			
GPS Coordinates - Lat:	37 24 34.510 N	Long:	122 03 56.094 W		
Comments:					

Distribution: ORIGINAL-Permit File; YELLOW-City/County; PINK-Well File; GOLDENROD-Permittee

Santa Clara Valley Water District
5750 Almaden Expressway, San Jose, CA 95118 (408) 265-2600

WELL CONSTRUCTION APPLICATION

FC 158 (12-16-02)
Page 1 of 2

TO BE COMPLETED BY DISTRICT		
District Permit No.: <u>05W00400</u>	Date Issued: <u>6-22-05</u>	Well Registration No.:
Geologic Setting: <u>01</u>	Expiration Date: <u>12-22-05</u>	Driller's Log No.: <u>026447</u>

TO BE COMPLETED BY OWNER AND DRILLER		
Well Owner: <u>U.S. Navy</u>	Property Owner: <u>U.S. Army</u>	Name of Business at Well Site: <u>Former NAS Moffett Field</u>
Well Owner's Mailing Address: <u>1220 Pacific Highway</u>	Property Owner's Mailing Address: <u>1325 J Street Apt: CESPK-RE-M</u>	Address of Well Site: <u>Orton Park Housing Area</u>
City, State, Zip: <u>San Diego, CA 92132</u>	City, State, Zip: <u>Sacramento, CA 95814</u>	City, State, Zip: <u>Moffett Field, CA 94035</u>
Telephone No. & Contact Name: <u>Rick Weissenborn 619-532-0952</u>	Telephone No. & Contact Name: <u>Mike Bain 916-557-6787</u>	Telephone No.:
Owner's/Consultant's Well No.: <u>MCH-4LA</u>		Assessor's Parcel Number of Well Site: <u>Book: 116 Page: 18 Parcel: 008</u>
Consultant (Company): <u>Tetra Tech FW, Inc.</u>	Drilling Company: <u>West Hazmat</u>	
Address: <u>1230 Columbia Street, Suite 500</u>	Address: <u>1016 East Katella Avenue</u>	
City, State, Zip: <u>San Diego, CA 92101</u>	City, State, Zip: <u>Anaheim, CA 92805</u>	
Telephone No.: <u>619-471-3525</u>	Telephone No.: <u>714-939-6850</u>	C-57 License No.: <u>819548</u>
<input type="checkbox"/> Check if address or phone number has changed	<input type="checkbox"/> Check if address or phone number has changed	

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS	
CASE NAME: <u>Former NAS Moffett Field</u>	
Oversight Agency: <u>EPA/RWACB</u>	If under S.C.V.W.D oversight, list Case Number(s):
Type of monitoring device: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	<u>Dennis Goldman</u> Signature of Responsible Professional (No substitution of signature will be accepted)
Type of extraction device: <input type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	
Monitoring well use: <input type="checkbox"/> Depth <input checked="" type="checkbox"/> Quality <input type="checkbox"/> Chloride	
Nested Well: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Note: If Nested Well is proposed, a separate permit is needed for each casing.	
<u>Dennis Goldman</u> Print Name <u>#4509</u>	
Registration No. Civil Engineer OR Registration No. Geologist	

Estimated Depth of Completed Well: <input checked="" type="checkbox"/> Less than 50 ft. <input type="checkbox"/> 50 to 300 ft. <input type="checkbox"/> Over 300 ft. <input type="checkbox"/> Other: _____	
Purpose of Well: <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Agricultural <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Cathodic Protection <input type="checkbox"/> Other: _____	
*Monitoring wells are those constructed for the purpose of obtaining repetitive water level measurements and/or repetitive air samples for analysis.	
Well is to be Constructed: <input type="checkbox"/> In a public sidewalk <input type="checkbox"/> In a public road <input type="checkbox"/> On public property <input checked="" type="checkbox"/> On private property <input type="checkbox"/> On SCVWD property*	
Within 50 ft. of the top of a creek* <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 50 ft. of any existing well <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 50 ft. of sanitary sewer <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 150 ft. of a cesspool or seepage pit <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 100 ft. of a pit privy, septic tank, leachfield <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Other wells exist on this property? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Status: <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Abandoned	
*See General Condition E, page 2.	

CERTIFICATION BY WELL OWNER/AGENT AND DRILLER/AGENT
I certify that the information given above is correct. I certify that the well will be constructed in compliance with the conditions of this permit (See Page 2), and Santa Clara Valley Water District Ordinance 90-1. I also certify that a right of entry/encroachment agreement has been formalized between the well owner and property owner, if parties differ. I understand that it is my responsibility as the well owner, to notify this District of any changes in the purpose of this well, from that, which is indicated on this application. NOTE: All applicable signatures must be present before permit will be processed.

Leslie Tornatore 6/9/05
Signature of Property Owner/Agent Date
Wilson Doctor 6/6/05
Signature of Well Owner/Agent Date
Bryce Bartelma 6-6-05
Signature of Well Driller/Agent Date

Leslie Tornatore
Acting Chief, Real Estate Division
Print Name of Property Owner/Agent

Wilson Doctor
Print Name of Well Owner/Agent

BRYCE BARTELMMA
Print Name of Driller/Agent

IMPORTANT: A minimum 24-hour notice must be given to the District before installing the annular seal.
Call (408) 265-2607 Ext. 2660. For weekend calls, call (408) 265-3077 Ext. 2120.

RECEIVED
JUN 13 2005

WELL CONSTRUCTION APPLICATION

DISTRICT WELL PERMIT NO.: DS 600400

Based on information on this application and attachment(s) hereto (if any) and subject to approval noted below, permission is hereby granted to construct (drill) the described well. Permission to start work may be withheld until a field check verifies all statements made on application by Permittee and is also subject to the "General" and "Special" Conditions stated below.

COUNTY OF SANTA CLARA DEPARTMENT OF ENVIRONMENTAL HEALTH APPROVAL

Domestic Water Supply Wells Only (Note: D. E. H. Approval must be granted before this application will be accepted by S.C.V.W.D.)

Date: _____ Approved By: _____, R.E.H.S.

Approved As Submitted: ☐ Approved As Corrected: ☐

SITE PLAN

A SITE PLAN MUST BE ATTACHED TO THIS APPLICATION
THE SITE PLAN MUST BE SUBMITTED ON 8 1/2" X 11" PAPER
THE SITE PLAN MUST CONTAIN:

1. Location of site features, including major buildings, landscaped areas, tank fields, existing wells, etc.
2. North arrow and scale
3. Location of proposed well with dimensions in feet from well to nearest cross streets

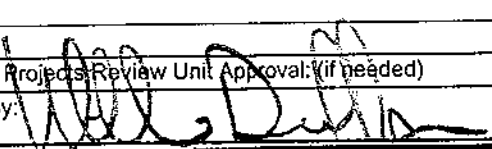
GENERAL CONDITIONS

- A. SCVWD (Telephone 408-265-2607, Ext. 2660) MUST BE NOTIFIED A MINIMUM OF ONE WORKING DAY BEFORE CONSTRUCTION OF THE ANNULAR SEAL. An authorized District representative must be on site to witness the construction of the annular seal. This requirement may be waived by an authorized District representative. If the District waives the inspection requirement, the District may request the Permittee(s) to furnish certification, under penalty of perjury, that the well was constructed in accordance with the District Well Standards and with the permit conditions.
- B. This Permit is valid only for the purpose specified herein. Well construction methods authorized under this Permit may not be changed except by written approval of an authorized District representative, and only if the District believes that such a change will result in equal or superior compliance with the District and State Well Standards (e.g. if the District representative finds that site conditions warrant such a change).
- C. This Permit is only valid for the Assessor's Parcel Number indicated on it.
- D. This Permit may be voided if it contains incorrect information. If the permit is voided after work has begun, the well or boring that was constructed under this permit must be destroyed in accordance with District and State Well Standards.
- E. If any work associated with this permit will take place within 50 feet of the top of the banks of a stream, water course, or on SCVWD Property, an encroachment or construction permit must be granted by the District's Community Projects Review Unit (telephone 408-265-2607 Ext. 2589).
- F. Before the well constructed under this permit can be used as a drinking water source, its use must be approved by the regulatory agency with authority over such use (typically the Santa Clara County Department of Environmental Health or the State of California, Department of Water Resources, Office of Drinking Water).
- G. If the well constructed under this permit cannot be or is not being used for its intended purpose, permittee is hereby required to destroy the well according to the District Well Standards and under permit from the District. Any test holes drilled under this permit must be destroyed within 24-hours of completion of testing activities. Destruction activities must be completed according to SCVWD standards. SCVWD must be notified a minimum of 24-hours prior to destruction.
- H. Within 60 days of the completion of the well construction activities, the driller or consultant identified on this permit shall fully complete State of California DWR Form 188 and mail the original to the District's Wells and Water Production Unit.
- I. The Permittee(s) shall assume entire responsibility for all activities and uses under this Permit and shall indemnify, defend, and hold the District, its officers, agents, and employees, free and harmless from any and all expense, cost, and liability in connection with or resulting from, the granting or exercise of this Permit including, but not limited to, property damage, personal injury, and wrongful death.
- J. Permittees are required to be in full compliance with Cal/OSHA California Labor Code Section 6300.
- K. A current C-57 Water Well Drilling Contractor's License is required for the construction of all wells.
- L. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all materials or waters generated during drilling, well construction, well development, pump testing, or other activities associated with this Permit, will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on- or off-site storm sewers, dry wells, or waterways. Such materials/waters must not be allowed to move off the property where the work is being completed.
- M. The driller and consultants (if applicable) shall have an active copy of their Worker's Compensation Insurance on file with District.
- N. This Permit shall expire if not exercised within 180 calendar days of its approval, unless an extension of the permit expiration date is granted by an authorized District representative.
- O. This permit must be kept on-site during the completion of all activities associated with it and shall immediately be presented to an authorized District representative upon request.

Special Conditions:

Community Projects Review Unit Approval: (if needed)

CPRU Permit No.:

Approved By: 

Date: 6-22-05

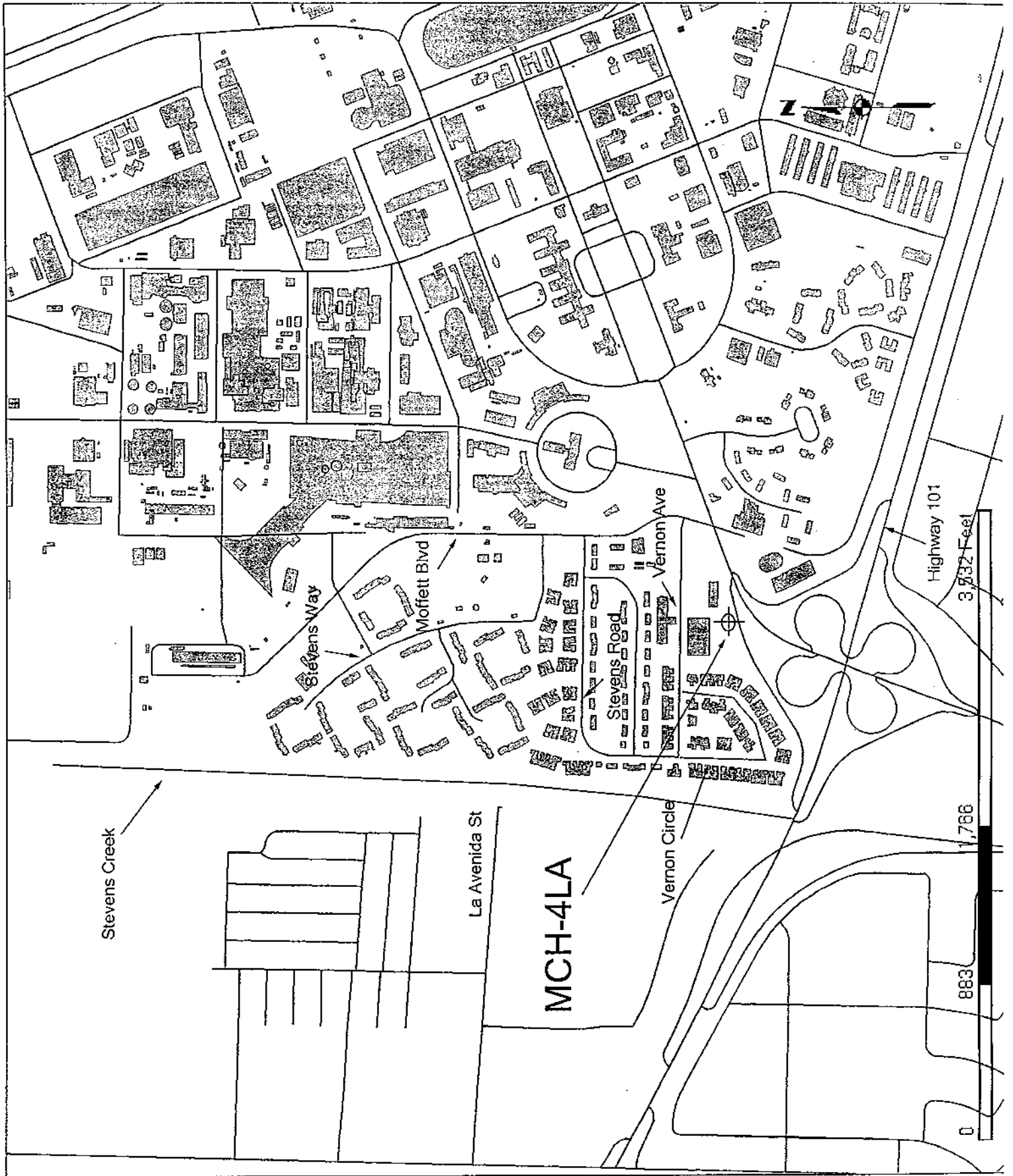
PLEASE ALLOW 10 WORKING DAYS TO PROCESS THIS APPLICATION

Orion
Park
Housing
Area

Legend

ROADS

BLDGS



Orion Park Housing Area



Well Annotations- 985 Wells Selected

APN: 11618008
Bayshore Pky
Mountain View CA
94043

No	Well_nbr	Permit	Consultnum	Status	Easting	Northing
1	No Data	No Data	No Data	Other-Active	6109971	1976272
2	No Data	UNKNOWN	ERM-1	Undetermined	6111317	1974128
3	No Data	UNKNOWN	ERM-3	Undetermined	6111346	1974136
4	No Data	UNKNOWN	14D25A2	Undetermined	6109335	1978251
5	No Data	UNKNOWN	W3-7	Undetermined	6113613	1980783
6	No Data	UNKNOWN	FP9-1	Undetermined	6109814	1976834
7	No Data	UNKNOWN	W4-3	Undetermined	6113526	1979308
8	No Data	UNKNOWN	ERM-2	Undetermined	6111330	1974195
9	No Data	UNKNOWN	W3-21	Undetermined	6113934	1980168
10	No Data	UNKNOWN	ERM-6	Undetermined	6110309	1975615
11	No Data	UNKNOWN	W29-3	Undetermined	6109689	1976851
12	No Data	UNKNOWN	W67-1	Undetermined	6110226	1975707
13	No Data	UNKNOWN	ERM-5	Undetermined	6110196	1975736
14	No Data	UNKNOWN	ERM-4	Undetermined	6110130	1975715
15	No Data	UNKNOWN	14M2	Undetermined	6110071	1975695
16	No Data	UNKNOWN	W4-1	Undetermined	6113613	1979474
17	No Data	UNKNOWN	14(C)	Undetermined	6110989	1977376
18	No Data	UNKNOWN	WU4-2	Undetermined	6110276	1973903
19	No Data	UNKNOWN	W4-11-P1	Undetermined	6114321	1979445
20	No Data	UNKNOWN	W4-4	Undetermined	6113771	1979258

(See attached sheet(s) for additional wells)

- Wells.shp
- Water Supply - Active
 - Water Supply - Standby
 - Water Supply - Inactive
 - Extraction (Env) - Active
 - Extraction (Env) - Inactive
 - Other - Active
 - Other - Inactive
 - Abandoned
 - Destroyed
 - Status Undetermined
- Parcels.shp
- FuelLeak.shp
- VALFLOOR.SHP
- Zone 1
 - Zone 2
 - Zone 3
 - Zone 4
 - Zone 5

Approximate Scale

250 0 250 500 Feet

TOTAL DEPTH OF BORING 29 (Feet)
TOTAL DEPTH OF COMPLETED WELL 24.5 (Feet)

SOUTH _____ REMEDIATION _____
 Illustrate or Describe Distance of Well from Roads, Buildings,
 Fences, Rivers, etc. and attach a map. Use additional paper if
 necessary. **PLEASE BE ACCURATE & COMPLETE.** OTHER (SPECIFY) _____
 WATER LEVEL & YIELD OF COMPLETED WELL _____

ESTIMATED YIELD * N/A (GPM) & TEST TYPE N/A
TEST LENGTH N/A (Hrs.) TOTAL DRAWDOWN N/A (Ft.)
* May not be representative of a well's long-term yield.

[illegible]

ATTACHMENTS ()

☒ Geologic Log

☒ Well Construction Diagram

☐ Geophysical Log(s)

☐ Soil/Water Chemical Analyses

☐ Other _____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

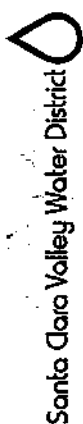
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Tetra Tech Ec, Inc.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS 1230 Columbia Street, Suite 500, San Diego, CA 92101

B.B.L. for West Hazmat CITY San Diego STATE CA ZIP 92101

Signed B.B.L. for West Hazmat WELL-DILLER AUTHORIZED REPRESENTATIVE DATE SIGNED 8-29-05 C-57 LICENSE NUMBER 819548



WELL CONSTRUCTION COMPLETION NOTICE

FCE 158A (09-05-02)

Santa Clara Valley Water District

Inspector: Thieman Date of completion: 7/12/05 Permit: 05W00401

Well Owner: U.S. Navy Former Well No.: MCH-54A Well Registration No.: 06502WISS006

Address of Well Site: Orion Park Housing, near Stevens Rd Moffett Blvd City or County: San Diego

Drilling Company: West Hazard Consultant: Tetra Tech EW

Cond. Bore: Conductor Depth: Conductor Diameter & Material: TD: 29 Boring Diameter: 10" BOC: 25

Casing Diameter & Material: 4" PVC Slot Size: 010 Screen Interval(s): 25-14 Seal Depth: 12

Filter Pack Material: 10/20 Filter Pack Interval(s): 25-12 Bent: 12-10 Mud rotary ☐ Other (See Comments) ☐

Sealing Material: ☒ Neat Cement ☐ 10 Sack Sand Slurry ☐ Other (See Comments) Drilling Method: ☒ HSA ☐ Direct Push ☐ Air Rotary

Well Type: ☒ GW Monitoring ☐ GW Extraction ☐ Vadose Monitoring ☐ Vadose Extraction ☐ Cathodic ☐ Domestic ☐ Agricultural ☐ Municipal/Industrial ☐ Elevator ☐ Other (See Comments)

Well constructed according to provisions of Santa Clara Valley Water District Permit? ☒ Yes ☐ No (See Comments)

Well Location: 55 N S Stevens Rd 126 ^N 126 ^E W: Moffett Blvd

GPS Coordinates - Lat: Long:

Comments: sketch 29 to 25
No GPS

Distribution: ORIGINAL-Permit File; YELLOW-City/County; PINK-Well File; GOLDENROD-Permittee

WELL CONSTRUCTION APPLICATION

TO BE COMPLETED BY DISTRICT		
District Permit No.: <u>05W00401</u>	Date Issued: <u>6-22-05</u>	Well Registration No.:
Geologic Setting: <u>01</u>	Expiration Date: <u>12-22-05</u>	Driller's Log No.: <u>026449</u>

TO BE COMPLETED BY OWNER AND DRILLER		
Well Owner: <u>U.S. Navy</u>	Property Owner: <u>U.S. Army</u>	Name of Business at Well Site: <u>Former NAS Moffett Field</u>
Well Owner's Mailing Address: <u>1220 Pacific Highway</u>	Property Owner's Mailing Address: <u>1325 J Street Apt: CESPK-RE-M</u>	Address of Well Site: <u>Orion Park Housing Area</u>
City, State, Zip: <u>San Diego, CA 92132</u>	City, State, Zip: <u>Sacramento, CA 95814</u>	City, State, Zip: <u>Moffett Field, CA 94035</u>
Telephone No. & Contact Name: <u>Rick Weissenbum 619-532-0952</u>	Telephone No. & Contact Name: <u>Mike Bain 916-557-6787</u>	Telephone No.:
Owner's/Consultant's Well No.: <u>MCH-5UA</u>	Assessor's Parcel Number of Well Site: Book: <u>116</u> Page: <u>18</u> Parcel: <u>008</u>	
Consultant (Company): <u>Tetra Tech FN, Inc.</u>	Drilling Company: <u>West Hazmat</u>	
Address: <u>1230 Columbia Street, Suite 500</u>	Address: <u>1016 East Katella Avenue</u>	
City, State, Zip: <u>San Diego, CA 92101</u>	City, State, Zip: <u>Anaheim, CA 92805</u>	
Telephone No.: <u>619-471-3525</u>	Telephone No.: <u>714-939-6850</u>	C-57 License No.: <u>819548</u>
<input type="checkbox"/> Check if address or phone number has changed		

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS	
CASE NAME: <u>Former NAS Moffett Field</u>	
Oversight Agency: <u>EPA/RWACB</u>	If under S.C.V.W.D. oversight, list Case Number(s):
Type of monitoring device: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Vadose Type of extraction device: <input type="checkbox"/> Groundwater <input type="checkbox"/> Vadose Monitoring well use: <input type="checkbox"/> Depth <input checked="" type="checkbox"/> Quality <input type="checkbox"/> Chloride Nested Well: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Note: If Nested Well is proposed, a separate permit is needed for each casing.	<u>Dennis Goldman</u> Signature of Responsible Professional (No substitution of signature will be accepted) <u>Dennis Goldman</u> Print Name <u>#4509</u> Registration No. Civil Engineer OR Registration No. Geologist

Estimated Depth of Completed Well: <input checked="" type="checkbox"/> Less than 50 ft. <input type="checkbox"/> 50 to 300 ft. <input type="checkbox"/> Over 300 ft. <input type="checkbox"/> Other: _____
Purpose of Well: <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Agricultural <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Cathodic Protection <input type="checkbox"/> Other: _____
*Monitoring wells are those constructed for the purpose of obtaining repetitive water level measurements and/or repetitive air samples for analysis.
Well is to be Constructed: <input type="checkbox"/> In a public sidewalk <input type="checkbox"/> In a public road <input type="checkbox"/> On public property <input checked="" type="checkbox"/> On private property <input type="checkbox"/> On SCVWD property*
Within 50 ft. of the top of a creek* <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 50 ft. of sanitary sewer <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Within 100 ft. of a pit privy, septic tank, leachfield <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Other wells exist on this property? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Status: <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Abandoned

CERTIFICATION BY WELL OWNER/AGENT AND DRILLER/AGENT

I certify that the information given above is correct. I certify that the well will be constructed in compliance with the conditions of this permit (See Page 2), and Santa Clara Valley Water District Ordinance 90-1. I also certify that a right of entry/encroachment agreement has been formalized between the well owner and property owner, if parties differ. I understand that it is my responsibility as the well owner, to notify this District of any changes in the purpose of this well, from that, which is indicated on this application. NOTE: All applicable signatures must be present before permit will be processed.

Leslie Tornatore
Signature of Property Owner/Agent

6/9/05
Date

Leslie Tornatore
Acting Chief, Real Estate Division
Print Name of Property Owner/Agent

Wilson Doctor
Signature of Well Owner/Agent

6/6/05
Date

Wilson Doctor
Print Name of Well Owner/Agent

Byrle for West Hazmat
Signature of Well Driller/Agent

6-6-05
Date

BYRLE BARTEMA
Print Name of Driller/Agent

IMPORTANT: A minimum 24-hour notice must be given to S.C.V.W.D. before construction. For more information, call (408) 265-2607 Ext. 2660. For weekends, call (408) 265-2607 Ext. 120.

RECEIVED

JUN 13 2005

S.C.V.W.D.

WELL CONSTRUCTION APPLICATION

FC 158 (12-16-02)

Page 2 of 2

DISTRICT WELL PERMIT NO.: 05W00401

Based on information on this application and attachment(s) hereto (if any) and subject to approval noted below, permission is hereby granted to construct (drill) the described well. Permission to start work may be withheld until a field check verifies all statements made on application by Permittee and is also subject to the "General" and "Special" Conditions stated below.

COUNTY OF SANTA CLARA DEPARTMENT OF ENVIRONMENTAL HEALTH APPROVAL

Domestic Water Supply Wells Only (Note: D. E. H. Approval must be granted before this application will be accepted by S.C.V.W.D.)

Date: _____ Approved By: _____, R.E.H.S.

Approved As Submitted: ☐ Approved As Corrected: ☐

SITE PLAN

A SITE PLAN MUST BE ATTACHED TO THIS APPLICATION

THE SITE PLAN MUST BE SUBMITTED ON 8 1/2" X 11" PAPER

THE SITE PLAN MUST CONTAIN:

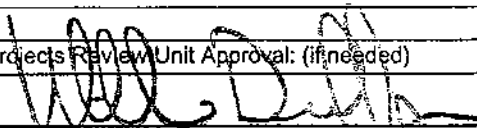
1. Location of site features, including major buildings, landscaped areas, tank fields, existing wells, etc.
2. North arrow and scale
3. Location of proposed well with dimensions in feet from well to nearest cross streets

GENERAL CONDITIONS

- A. SCVWD (Telephone 408-265-2607, Ext. 2660) MUST BE NOTIFIED A MINIMUM OF ONE WORKING DAY BEFORE CONSTRUCTION OF THE ANNULAR SEAL. An authorized District representative must be on site to witness the construction of the annular seal. This requirement may be waived by an authorized District representative. If the District waives the inspection requirement, the District may request the Permittee(s) to furnish certification, under penalty of perjury, that the well was constructed in accordance with the District Well Standards and with the permit conditions.
- B. This Permit is valid only for the purpose specified herein. Well construction methods authorized under this Permit may not be changed except by written approval of an authorized District representative, and only if the District believes that such a change will result in equal or superior compliance with the District and State Well Standards (e.g. if the District representative finds that site conditions warrant such a change).
- C. This Permit is only valid for the Assessor's Parcel Number indicated on it.
- D. This Permit may be voided if it contains incorrect information. If the permit is voided after work has begun, the well or boring that was constructed under this permit must be destroyed in accordance with District and State Well Standards.
- E. If any work associated with this permit will take place within 50 feet of the top of the banks of a stream, water course, or on SCVWD Property, an encroachment or construction permit must be granted by the District's Community Projects Review Unit (telephone 408-265-2607 Ext. 2589).
- F. Before the well constructed under this permit can be used as a drinking water source, its use must be approved by the regulatory agency with authority over such use (typically the Santa Clara County Department of Environmental Health or the State of California, Department of Water Resources, Office of Drinking Water).
- G. If the well constructed under this permit cannot be or is not being used for its intended purpose, permittee is hereby required to destroy the well according to the District Well Standards and under permit from the District. Any test holes drilled under this permit must be destroyed within 24-hours of completion of testing activities. Destruction activities must be completed according to SCVWD standards. SCVWD must be notified a minimum of 24-hours prior to destruction.
- H. Within 60 days of the completion of the well construction activities, the driller or consultant identified on this permit shall fully complete State of California DWR Form 188 and mail the original to the District's Wells and Water Production Unit.
- I. The Permittee(s) shall assume entire responsibility for all activities and uses under this Permit and shall indemnify, defend, and hold the District, its officers, agents, and employees, free and harmless from any and all expense, cost, and liability in connection with or resulting from, the granting or exercise of this Permit including, but not limited to, property damage, personal injury, and wrongful death.
- J. Permittees are required to be in full compliance with Cal/OSHA California Labor Code Section 6300.
- K. A current C-57 Water Well Drilling Contractor's License is required for the construction of all wells.
- L. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all materials or waters generated during drilling, well construction, well development, pump testing, or other activities associated with this Permit, will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on- or off-site storm sewers, dry wells, or waterways. Such materials/waters must not be allowed to move off the property where the work is being completed.
- M. The driller and consultants (if applicable) shall have an active copy of their Worker's Compensation Insurance on file with District.
- N. This Permit shall expire if not exercised within 180 calendar days of its approval, unless an extension of the permit expiration date is granted by an authorized District representative.
- O. This permit must be kept on-site during the completion of all activities associated with it and shall immediately be presented to an authorized District representative upon request.

Special Conditions:

Community Projects Review Unit Approval: (if needed)

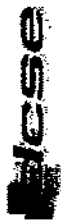
Approved By: 

CPRU Permit No.:

Date:

6-22-05

PLEASE ALLOW 11 WORKING DAYS TO PROCESS THIS APPLICATION

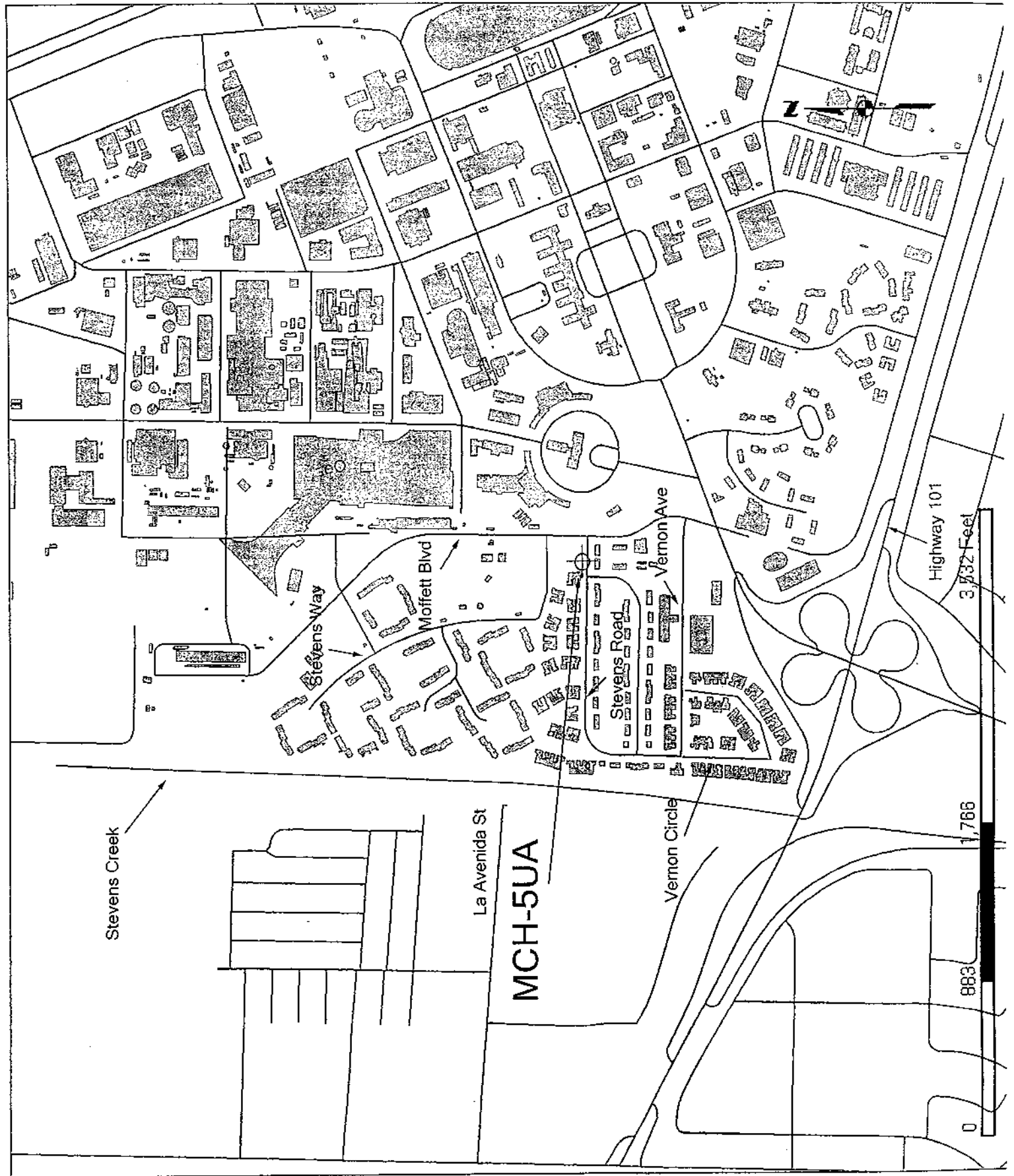


Orion Park Housing Area

Legend

ROADS

BLDGS



Orion Park Housing Area



APN: 11618008
Bayshore Pky
Mountain View CA
94043

Well Annotations - 985 Wells Selected

No	Well_nbr	Permit	Consultnum	Status	Easting	Northing
1	No Data	No Data	No Data	Other-Active	6109971	1976272
2	No Data	UNKNOWN	ERM-1	Undetermined	6111317	1974128
3	No Data	UNKNOWN	ERM-3	Undetermined	6111346	1974136
4	No Data	UNKNOWN	14D25A2	Undetermined	6109335	1978251
5	No Data	UNKNOWN	W3-7	Undetermined	6113613	1980783
6	No Data	UNKNOWN	FP9-1	Undetermined	6109814	1976834
7	No Data	UNKNOWN	W4-3	Undetermined	6113526	1979308
8	No Data	UNKNOWN	ERM-2	Undetermined	6111330	1974195
9	No Data	UNKNOWN	W3-21	Undetermined	6113934	1980166
10	No Data	UNKNOWN	ERM-6	Undetermined	6110309	1975615
11	No Data	UNKNOWN	W29-3	Undetermined	6109689	1976851
12	No Data	UNKNOWN	W67-1	Undetermined	6110226	1975707
13	No Data	UNKNOWN	ERM-5	Undetermined	6110196	1975736
14	No Data	UNKNOWN	ERM-4	Undetermined	6110130	1975715
15	No Data	UNKNOWN	14M2	Undetermined	6110071	1975695
16	No Data	UNKNOWN	W4-1	Undetermined	6113613	1979474
17	No Data	UNKNOWN	14(C)	Undetermined	6110989	1977376
18	No Data	UNKNOWN	WU4-2	Undetermined	6110276	1973903
19	No Data	UNKNOWN	W4-11-P1	Undetermined	6114321	1979445
20	No Data	UNKNOWN	W4-4	Undetermined	6113771	1979258

- Wells.shp
- ⊕ Water Supply - Active
 - ⊞ Water Supply - Standby
 - Water Supply - Inactive
 - ⊕ Extraction (Env) - Active
 - ⊞ Extraction (Env) - Inactive
 - ⊕ Other - Active
 - Other - Inactive
 - * Abandoned
 - ⊕ Destroyed
 - ▲ Status Undetermined
- Parcels.shp
- ▲ Fueltank.shp
 - VALEFLOOR.SHP
 - Zone 1
 - Zone 2
 - Zone 3
 - Zone 4
 - Zone 5

Approximate Scale

250 0 250 500 Feet

(See attached sheet(s) for additional wells)

Santa Clara Valley
Water District

WELL CONSTRUCTION COMPLETION NOTICE

FCE 158A (07-12-04)

Inspector:	Henriesssee	Date of Inspection:	7-19-05	Permit:	05W00402
Well Owner:	US Navy	Owner Well No.:	MEH-62A	Well Registration No.:	06502W156007
Address of Well Site:	Orion Park Housing Area	City or County:	Matthell Field		
Drilling Company:	West Hagemat	Consentant:	Teiga Tech		
Cond. Bore:	Conductor Depth:	Conductor Diameter	TD: 54'	Boring Diameter:	10" BOC: 52'
Casing Diameter & Material:	Slot Size: .010	Screen Interval(s):	51 - 41		
Filter Pack Material:	2 1/2 Sand	Filter Pack Interval(s):	52.5 - 39	Bent:	39 - 37 Seal Depth: 39'
Sealing Material:	Neat Cement	<input type="checkbox"/> 10 Sack Sand Slurry	Drilling Method:	<input checked="" type="checkbox"/> HSA	<input type="checkbox"/> Mud rotary <input type="checkbox"/> Other (See Comments)
<input type="checkbox"/> Bentonite Slurry	<input type="checkbox"/> Other (See Comments)		<input type="checkbox"/> Direct Push	<input type="checkbox"/> Air Rotary	
Well Type:	<input checked="" type="checkbox"/> GW Monitoring	<input type="checkbox"/> GW Extraction	<input type="checkbox"/> Vadose Monitoring	<input type="checkbox"/> Vadose Extraction	<input type="checkbox"/> Cathodic
<input type="checkbox"/> Domestic	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Industrial	<input type="checkbox"/> Elevator	<input type="checkbox"/> Other (See Comments)	
Well constructed according to provisions of Santa Clara Valley Water District Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)					
Well Location:	1,250 N S: US 101		100 ft. E W: Stearns Road		
GPS Coordinates - Lat:			Long:		
Comments:					

Distribution: ORIGINAL-Permit File; YELLOW-City County; PINK-Well File; GOLDENROD-Permittee

WELL CONSTRUCTION APPLICATION

FC 158 (12-16-02)
Page 1 of 2

TO BE COMPLETED BY DISTRICT		
District Permit No.: <u>05W000402</u>	Date Issued: <u>6-22-05</u>	Well Registration No.:
Geologic Setting: <u>01</u>	Expiration Date: <u>12-22-05</u>	Driller's Log No.: <u>026450</u>

TO BE COMPLETED BY OWNER AND DRILLER		
Well Owner: <u>U.S. Navy</u>	Property Owner: <u>U.S. Army</u>	Name of Business at Well Site: <u>Former NAS Moffett Field</u>
Well Owner's Mailing Address: <u>1220 Pacific Highway</u>	Property Owner's Mailing Address: <u>1335 J Street Apt: CESPK-RE-M</u>	Address of Well Site: <u>Orion Park Housing Area</u>
City, State, Zip: <u>San Diego, CA 92132</u>	City, State, Zip: <u>Sacramento, CA 95814</u>	City, State, Zip: <u>Moffett Field, CA 94035</u>
Telephone No. & Contact Name: <u>Rick Weissenborn 619-532-0952</u>	Telephone No. & Contact Name: <u>Mike Bain 916-557-6787</u>	Telephone No.:
Owner's/Consultant's Well No.: <u>MCH-6LA</u>		Assessor's Parcel Number of Well Site: <u>Book: 116 Page: 18 Parcel: 008</u>
Consultant (Company): <u>Tetra Tech FW, Inc.</u>	Drilling Company: <u>West Hazmat</u>	
Address: <u>1230 Columbia Street, Suite 500</u>	Address: <u>1016 East Katella Avenue</u>	
City, State, Zip: <u>San Diego, CA 92101</u>	City, State, Zip: <u>Anaheim, CA 92805</u>	
Telephone No.: <u>619-471-3525</u>	Telephone No.: <u>714-939-6850</u>	C-57 License No.: <u>819548</u>
<input type="checkbox"/> Check if address or phone number has changed	<input type="checkbox"/> Check if address or phone number has changed	

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS	
CASE NAME: <u>Former NAS Moffett Field</u>	
Oversight Agency: <u>EPA/RWQCB</u>	If under S.C.V.W.D. oversight, list Case Number(s):
Type of monitoring device: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	<u>Dennis Goldman</u> Signature of Responsible Professional (No substitution of signature will be accepted)
Type of extraction device: <input type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	
Monitoring well use: <input type="checkbox"/> Depth <input checked="" type="checkbox"/> Quality <input type="checkbox"/> Chloride	
Nested Well: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Note: If Nested Well is proposed, a separate permit is needed for each casing.	
<u>Dennis Goldman</u> Print Name <u>#4509</u>	
Registration No. Civil Engineer OR Registration No. Geologist	

Estimated Depth of Completed Well: <input checked="" type="checkbox"/> Less than 50 ft. <input type="checkbox"/> 50 to 300 ft. <input type="checkbox"/> Over 300 ft. <input type="checkbox"/> Other: _____	
Purpose of Well: <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Agricultural <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Cathodic Protection <input type="checkbox"/> Other: _____	
*Monitoring wells are those constructed for the purpose of obtaining repetitive water level measurements and/or repetitive air samples for analysis.	
Well is to be Constructed: <input type="checkbox"/> In a public sidewalk <input type="checkbox"/> In a public road <input type="checkbox"/> On public property <input checked="" type="checkbox"/> On private property <input type="checkbox"/> On SCVWD property*	
Within 50 ft. of the top of a creek: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 50 ft. of any existing well: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 50 ft. of sanitary sewer: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 150 ft. of a cesspool or seepage pit: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 100 ft. of a pit privy, septic tank, leachfield: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Other wells exist on this property?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
*See General Condition E, page 2.	
Status: <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Abandoned	

CERTIFICATION BY WELL OWNER/AGENT AND DRILLER/AGENT		
I certify that the information given above is correct. I certify that the well will be constructed in compliance with the conditions of this permit (See Page 2), and Santa Clara Valley Water District Ordinance 90-1. I also certify that a right of entry/encroachment agreement has been formalized between the well owner and property owner, if parties differ. I understand that it is my responsibility as the well owner, to notify this District of any changes in the purpose of this well, from that, which is indicated on this application. NOTE: All applicable signatures must be present before permit will be processed.		
<u>Leslie Tornatore</u> Signature of Property Owner/Agent	<u>6/9/05</u> Date	<u>Leslie Tornatore</u> Acting Chief, Real Estate Division Print Name of Property Owner/Agent
<u>Wilson Docton</u> Signature of Well Owner/Agent	<u>6/6/05</u> Date	<u>Wilson Docton</u> Print Name of Well Owner/Agent
<u>Bryce Bartelma</u> Signature of Well Driller/Agent	<u>6-6-05</u> Date	<u>BRYCE BARTEMA</u> Print Name of Driller/Agent

IMPORTANT: A minimum 24-hour notice must be given to SCVWD Well Inspection Dept prior to installing the annular seal.
Call (408) 265-2607 Ext. 2660. For more information call (408) 265-2607 Ext. 2120.

RECEIVED
JUN 13 2005

DISTRICT WELL PERMIT NO.:

05W00402

Based on information on this application and attachment(s) hereto (if any) and subject to approval noted below, permission is hereby granted to construct (drill) the described well. Permission to start work may be withheld until a field check verifies all statements made on application by Permittee and is also subject to the "General" and "Special" Conditions stated below.

COUNTY OF SANTA CLARA DEPARTMENT OF ENVIRONMENTAL HEALTH APPROVAL

Domestic Water Supply Wells Only (Note: D. E. H. Approval must be granted before this application will be accepted by S.C.V.W.D.)

Date: _____ Approved By: _____, R.E.H.S.

Approved As Submitted: ☐ Approved As Corrected: ☐

SITE PLAN

A SITE PLAN MUST BE ATTACHED TO THIS APPLICATION

THE SITE PLAN MUST BE SUBMITTED ON 8 1/2" X 11" PAPER

THE SITE PLAN MUST CONTAIN:

1. Location of site features, including major buildings, landscaped areas, tank fields, existing wells, etc.
2. North arrow and scale
3. Location of proposed well with dimensions in feet from well to nearest cross streets

GENERAL CONDITIONS

- A. SCVWD (Telephone 408-265-2607, Ext. 2660) MUST BE NOTIFIED A MINIMUM OF ONE WORKING DAY BEFORE CONSTRUCTION OF THE ANNULAR SEAL. An authorized District representative must be on site to witness the construction of the annular seal. This requirement may be waived by an authorized District representative. If the District waives the inspection requirement, the District may request the Permittee(s) to furnish certification, under penalty of perjury, that the well was constructed in accordance with the District Well Standards and with the permit conditions.
- B. This Permit is valid only for the purpose specified herein. Well construction methods authorized under this Permit may not be changed except by written approval of an authorized District representative, and only if the District believes that such a change will result in equal or superior compliance with the District and State Well Standards (e.g. if the District representative finds that site conditions warrant such a change).
- C. This Permit is only valid for the Assessor's Parcel Number indicated on it.
- D. This Permit may be voided if it contains incorrect information. If the permit is voided after work has begun, the well or boring that was constructed under this permit must be destroyed in accordance with District and State Well Standards.
- E. If any work associated with this permit will take place within 50 feet of the top of the banks of a stream, water course, or on SCVWD Property, an encroachment or construction permit must be granted by the District's Community Projects Review Unit (telephone 408-265-2607 Ext. 2589).
- F. Before the well constructed under this permit can be used as a drinking water source, its use must be approved by the regulatory agency with authority over such use (typically the Santa Clara County Department of Environmental Health or the State of California, Department of Water Resources, Office of Drinking Water).
- G. If the well constructed under this permit cannot be or is not being used for its intended purpose, permittee is hereby required to destroy the well according to the District Well Standards and under permit from the District. Any test holes drilled under this permit must be destroyed within 24-hours of completion of testing activities. Destruction activities must be completed according to SCVWD standards. SCVWD must be notified a minimum of 24-hours prior to destruction.
- H. Within 60 days of the completion of the well construction activities, the driller or consultant identified on this permit shall fully complete State of California DWR Form 188 and mail the original to the District's Wells and Water Production Unit.
- I. The Permittee(s) shall assume entire responsibility for all activities and uses under this Permit and shall indemnify, defend, and hold the District, its officers, agents, and employees, free and harmless from any and all expense, cost, and liability in connection with or resulting from, the granting or exercise of this Permit including, but not limited to, property damage, personal injury, and wrongful death.
- J. Permittees are required to be in full compliance with Cal/OSHA California Labor Code Section 6300.
- K. A current C-57 Water Well Drilling Contractor's License is required for the construction of all wells.
- L. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all materials or waters generated during drilling, well construction, well development, pump testing, or other activities associated with this Permit, will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on- or off-site storm sewers, dry wells, or waterways. Such materials/waters must not be allowed to move off the property where the work is being completed.
- M. The driller and consultants (if applicable) shall have an active copy of their Worker's Compensation Insurance on file with District.
- N. This Permit shall expire if not exercised within 180 calendar days of its approval, unless an extension of the permit expiration date is granted by an authorized District representative.
- O. This permit must be kept on-site during the completion of all activities associated with it and shall immediately be presented to an authorized District representative upon request.

Special Conditions:

Community Projects Review Unit Approval: (if needed)

CPRU Permit No.:

Approved By:

Date: 6-22-05

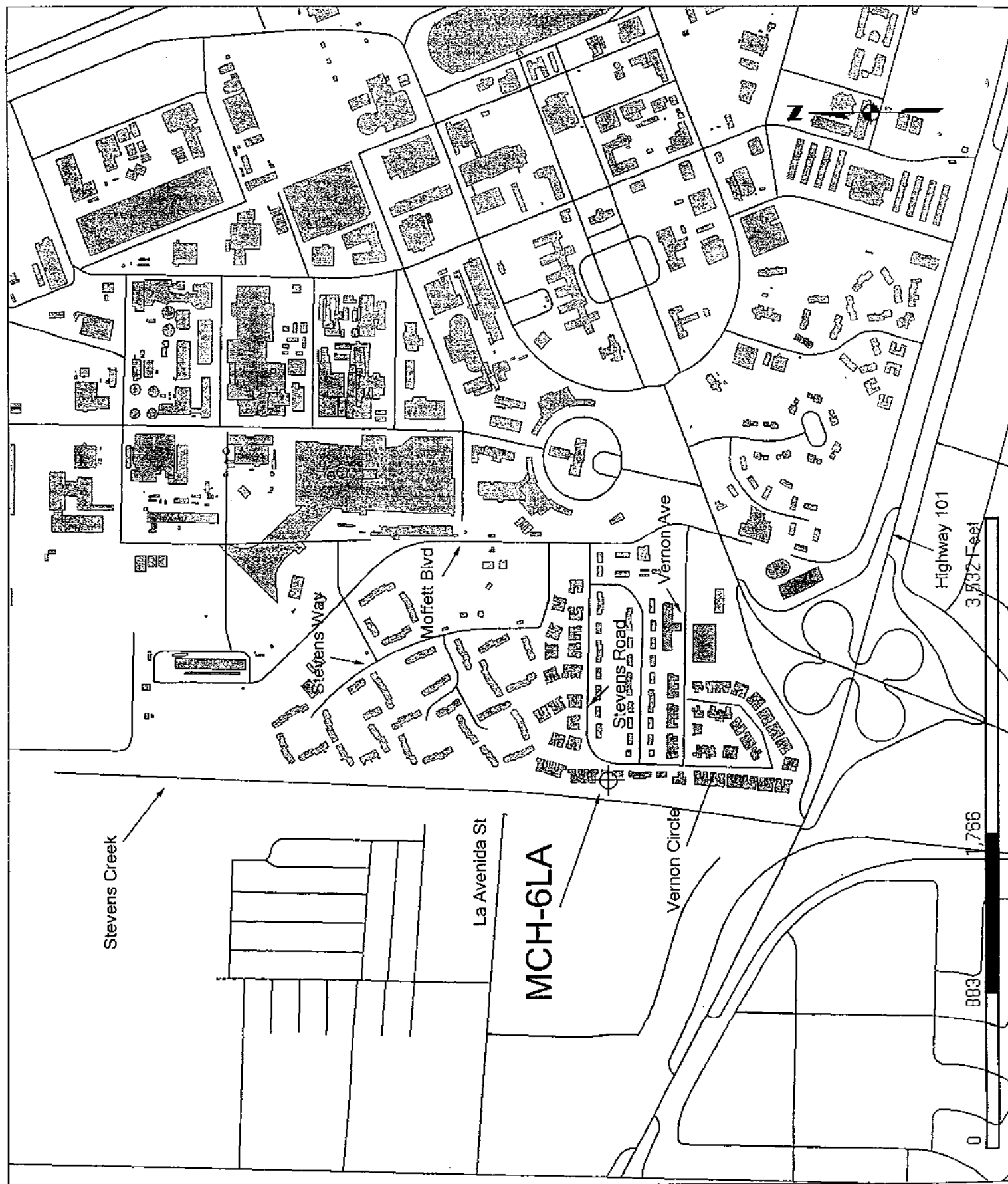
PLEASE ALLOW 15 WORKING DAYS TO PROCESS THIS APPLICATION

Orion
Park
Housing
Area

Legend

ROADS

BLDGS



Orion Park Housing Area



APN: 11618008
Bayshore Pky
Mountain View CA
94043

Well Annotations- 985 Wells Selected

No	Well_nbr	Permit	Consultnum	Status	Easting	Northing
1	No Data	No Data	No Data	Other-Active	6109971	1976272
2	No Data	UNKNOWN	ERM-1	Undetermined	6111317	1974128
3	No Data	UNKNOWN	ERM-3	Undetermined	6111346	1974136
4	No Data	UNKNOWN	14D25A2	Undetermined	6109335	1978251
5	No Data	UNKNOWN	W3-7	Undetermined	6113613	1980783
6	No Data	UNKNOWN	FP9-1	Undetermined	6109814	1976834
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8	No Data	UNKNOWN	ERM-2	Undetermined	6111330	1974195
9	No Data	UNKNOWN	W3-21	Undetermined	6113934	1980166
10	No Data	UNKNOWN	ERM-6	Undetermined	6110309	1975615
11	No Data	UNKNOWN	W29-3	Undetermined	6109689	1978851
12	No Data	UNKNOWN	W67-1	Undetermined	6110226	1975707
13	No Data	UNKNOWN	ERM-5	Undetermined	6110196	1975736
14	No Data	UNKNOWN	ERM-4	Undetermined	6110130	1975715
15	No Data	UNKNOWN	14M2	Undetermined	6110071	1975695
16	No Data	UNKNOWN	W4-1	Undetermined	6113613	1979474
17	No Data	UNKNOWN	14(C)	Undetermined	6110989	1977376
18	No Data	UNKNOWN	WU4-2	Undetermined	6110276	1973903
19	No Data	UNKNOWN	W4-11-P1	Undetermined	6114321	1978445
20	No Data	UNKNOWN	W4-4	Undetermined	6113771	1979258

- Wells.shp
- ⊕ Water Supply - Active
 - ⊞ Water Supply - Standby
 - Water Supply - Inactive
 - ⊕ Extraction (Env) - Active
 - ⊞ Extraction (Env) - Inactive
 - ⊕ Other - Active
 - Other - Inactive
 - * Abandoned
 - ⊕ Destroyed
 - ▲ Status Undetermined
- Parcels.shp
- ▲ Fuelleak.shp
- VALFLOOR.SHP
- Zone 1
 - Zone 2
 - Zone 3
 - Zone 4
 - Zone 5

Approximate Scale

250 0 250 500 Feet

(See attached sheet(s) for additional wells)

Permit No. _____

Refer to Instruction Pamphlet

No. e026443

DWR USE ONLY — DO NOT FILL IN									
STATE WELL NO./STATION NO.									
LATITUDE					LONGITUDE				
APN/TRS/OTHER									

GEOLOGIC LOG

WELL OWNER

[illegible]

Name U.S. Dept. of Navy
Mailing Address 1270 Pacific Highway
San Diego CA 92132
CITY STATE ZIP
Address Former NAS Moffett Field - Onon Park
City Moffett Field, CA
County Santa Clara
APN Book 116 Page 18 Parcel 008
Township 6S Range 7W Section 10
Latitude _____ NORTH _____ Longitude _____ WEST
D E G M I N S E C D E G M I N S E C

LOCATION SKETCH

A hand-drawn map of the Stevens Circle area. At the top, a horizontal line is labeled "NORTH". A wavy line represents "Stevens Circle". Below it, a point is marked "50'". Further down, a point is marked "MCH-74A". To the left, a triangular area is labeled "Bldg. 817" and "WEST". To the right, another triangular area is labeled "Bldg. 819" and "EAST". Below Bldg. 819, an area is labeled "Playground". At the bottom, a horizontal line is labeled "SOUTH".

• ACTIVITY (\leq)

☒ NEW WELL

MODIFICATION/REPAIR

 ___ Deepen

 ___ Other (Specify) _____

___ DESTROY (Describe
 Procedures and Materials
 Under "GEOLOGIC LOG")

PLANNED USES (☒)

WATER SUPPLY

 ___ Domestic ___ Public

 ___ Irrigation ___ Industrial

 ___ MONITORING ☒

 ___ TEST WELL ___

CATHODIC PROTECTION _____

 ___ HEAT EXCHANGE _____

 ___ DIRECT PUSH ___

 ___ INJECTION ___

 ___ VAPOR EXTRACTION _____

 ___ SPARGING ___

 ___ REMEDIATION ___

 ___ OTHER (SPECIFY) _____

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 12 (FL) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL 12.78 (FL) & DATE MEASURED 8-3-05
ESTIMATED YIELD NIA (GPM) & TEST TYPE NIA
TEST LENGTH NIA (HRS.) TOTAL DRAWDOWN NIA (FL)
* May not be representative of a well's long-term yield.

DEPTH FROM SURFACE			BORE-HOLE DIA. (inches)	CASING (S)						
				TYPE (\leq)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GUAGE OR WALL THICKNESS
Ft.	to	Ft.	BANK	SCREEN	CON- DUCTOR	FILL PIPE				
C	10	10	✓				PVC	4	SCH 40	N/A
10	20	10	✓				PVC	4	SCH 40	O.CIO

DEPTH FROM SURFACE			ANNULAR MATERIAL TYPE			
			CE-MENT (\leq)	BEN-TONITE (\leq)	FILL (\leq)	FILTER PACK (TYPE/SIZE)
Ft.	to	Ft.				
0	6		✓			Portland
6	8			✓		Pellets
8	21				✓	#2/12 Sand

ATTACHMENTS (≤)

- ☒ Geologic Log
☒ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☐ Other _____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Tetra Tech EC, Inc.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
1230 Columbia Street, Suite 500, San Diego, CA 92101
ADDRESS BBL for West Hazmat CITY San Diego STATE CA ZIP 92101
Signed [Signature] DATE SIGNED 8-29-05 C-57 LICENSE NUMBER 819548
I HEREBY AUTHORIZE REPRESENTATIVE

**Santa Clara Valley
Water District**

FCE 158A (07-12-04)

Distribution: ORIGINAL-Permit File; YELLOW-City/County; PINK-Well File; GOLDENROD-Permittee

WELL CONSTRUCTION APPLICATION

FC 158 (12-16-02)
Page 1 of 2

TO BE COMPLETED BY DISTRICT		
District Permit No.: <u>05W00396</u>	Date Issued: <u>6-22-05</u>	Well Registration No.:
Geologic Setting: <u>01</u>	Expiration Date: <u>12-22-05</u>	Driller's Log No.: <u>026443</u>

TO BE COMPLETED BY OWNER AND DRILLER		
Well Owner: <u>U.S. Navy</u>	Property Owner: <u>U.S. Army</u>	Name of Business at Well Site: <u>Former NAS Moffett Field</u>
Well Owner's Mailing Address: <u>1220 Pacific Highway</u>	Property Owner's Mailing Address: <u>1325 J Street Attn: CESPK-RE-M</u>	Address of Well Site: <u>Orton Park Housing Area</u>
City, State, Zip: <u>San Diego, CA 92132</u>	City, State, Zip: <u>Sacramento, CA 95814</u>	City, State, Zip: <u>Moffett Field, CA 94035</u>
Telephone No. & Contact Name: <u>Rick Weissenborn 619-532-0952</u>	Telephone No. & Contact Name: <u>Mike Bain 916-557-6787</u>	Telephone No.:
Owner's/Consultant's Well No.: <u>MCH-7UA</u>		Assessor's Parcel Number of Well Site: Book: <u>116</u> Page: <u>18</u> Parcel: <u>008</u>
Consultant (Company): <u>Tetra Tech FN, Inc.</u>	Drilling Company: <u>West Hazmat</u>	
Address: <u>1230 Columbia Street, Suite 500</u>	Address: <u>1016 East Katella Avenue</u>	
City, State, Zip: <u>San Diego, CA 92101</u>	City, State, Zip: <u>Anaheim, CA 92805</u>	
Telephone No.: <u>619-471-3525</u>	Telephone No.: <u>714-939-6850</u>	C-57 License No.: <u>819548</u>
<input type="checkbox"/> Check if address or phone number has changed	<input type="checkbox"/> Check if address or phone number has changed	

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS	
CASE NAME: <u>Former NAS Moffett Field</u>	
Oversight Agency: <u>EPA/RWQCB</u>	If under S.C.V.W.D. oversight, list Case Number(s):
Type of monitoring device: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	<u>Dennis Goldman</u> Signature of Responsible Professional (No substitution of signature will be accepted)
Type of extraction device: <input type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	
Monitoring well use: <input type="checkbox"/> Depth <input checked="" type="checkbox"/> Quality <input type="checkbox"/> Chloride	
Nested Well: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Note: If Nested Well is proposed, a separate permit is needed for each casing.	
<u>Dennis Goldman</u> Print Name	
Registration No. Civil Engineer OR Registration No. Geologist <u>#4509</u>	

Estimated Depth of Completed Well: <input checked="" type="checkbox"/> Less than 50 ft. <input type="checkbox"/> 50 to 300 ft. <input type="checkbox"/> Over 300 ft. <input type="checkbox"/> Other: _____	
Purpose of Well: <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Agricultural <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Cathodic Protection <input type="checkbox"/> Other: _____	
*Monitoring wells are those constructed for the purpose of obtaining repetitive water level measurements and/or repetitive air samples for analysis.	
Well is to be Constructed: <input type="checkbox"/> In a public sidewalk <input type="checkbox"/> In a public road <input type="checkbox"/> On public property <input checked="" type="checkbox"/> On private property <input type="checkbox"/> On SCVWD property*	
Within 50 ft. of the top of a creek* <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 50 ft. of any existing well <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 50 ft. of sanitary sewer <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Within 150 ft. of a cesspool or seepage pit <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 100 ft. of a pit privy, septic tank, leachfield <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Other wells exist on this property? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
*See General Condition E, page 2.	
Status: <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Abandoned	

CERTIFICATION BY WELL OWNER/AGENT AND DRILLER/AGENT		
I certify that the information given above is correct. I certify that the well will be constructed in compliance with the conditions of this permit (See Page 2), and Santa Clara Valley Water District Ordinance 90-1. I also certify that a right of entry/encroachment agreement has been formalized between the well owner and property owner, if parties differ. I understand that it is my responsibility as the well owner, to notify this District of any changes in the purpose of this well, from that which is indicated on this application. NOTE: All applicable signatures must be present before permit will be processed.		
<u>Leslie Tornatore</u> Signature of Property Owner/Agent	<u>6/9/05</u> Date	<u>Leslie Tornatore</u> Acting Chief, Real Estate Division Print Name of Property Owner/Agent
<u>Wilson Doctor</u> Signature of Well Owner/Agent	<u>6/6/05</u> Date	<u>Wilson Doctor</u> Print Name of Well Owner/Agent
<u>Bryle Bartelma</u> Signature of Well Driller/Agent	<u>6-6-05</u> Date	<u>BRYLE BARTELMA</u> Print Name of Driller/Agent

IMPORTANT: A minimum 24-hour notice must be given to SCVWD well inspection Dept. prior to installing the annular seal.
Call (408) 265-2607 Ext. 2660. For weekends, call (408) 265-2607 Ext. 2120.

RECEIVED
JUN 13 2005

WELL CONSTRUCTION APPLICATION

FC 158 (12-16-02)

Page 2 of 2

DISTRICT WELL PERMIT NO.: 05W00396

Based on information on this application and attachment(s) hereto (if any) and subject to approval noted below, permission is hereby granted to construct (drill) the described well. Permission to start work may be withheld until a field check verifies all statements made on application by Permittee and is also subject to the "General" and "Special" Conditions stated below.

COUNTY OF SANTA CLARA DEPARTMENT OF ENVIRONMENTAL HEALTH APPROVAL

Domestic Water Supply Wells Only (Note: D. E. H. Approval must be granted before this application will be accepted by S.C.V.W.D.)

Date: _____ Approved By: _____, R.E.H.S.

Approved As Submitted: ☐ Approved As Corrected: ☐

SITE PLAN

A SITE PLAN MUST BE ATTACHED TO THIS APPLICATION

THE SITE PLAN MUST BE SUBMITTED ON 8 1/2" X 11" PAPER

THE SITE PLAN MUST CONTAIN:

1. Location of site features, including major buildings, landscaped areas, tank fields, existing wells, etc.
2. North arrow and scale
3. Location of proposed well with dimensions in feet from well to nearest cross streets

GENERAL CONDITIONS

- A. SCVWD (Telephone 408-265-2607, Ext. 2660) MUST BE NOTIFIED A MINIMUM OF ONE WORKING DAY BEFORE CONSTRUCTION OF THE ANNULAR SEAL. An authorized District representative must be on site to witness the construction of the annular seal. This requirement may be waived by an authorized District representative. If the District waives the inspection requirement, the District may request the Permittee(s) to furnish certification, under penalty of perjury, that the well was constructed in accordance with the District Well Standards and with the permit conditions.
- B. This Permit is valid only for the purpose specified herein. Well construction methods authorized under this Permit may not be changed except by written approval of an authorized District representative, and only if the District believes that such a change will result in equal or superior compliance with the District and State Well Standards (e.g. if the District representative finds that site conditions warrant such a change).
- C. This Permit is only valid for the Assessor's Parcel Number indicated on it.
- D. This Permit may be voided if it contains incorrect information. If the permit is voided after work has begun, the well or boring that was constructed under this permit must be destroyed in accordance with District and State Well Standards.
- E. If any work associated with this permit will take place within 50 feet of the top of the banks of a stream, water course, or on SCVWD Property, an encroachment or construction permit must be granted by the District's Community Projects Review Unit (telephone 408-265-2607 Ext. 2589).
- F. Before the well constructed under this permit can be used as a drinking water source, its use must be approved by the regulatory agency with authority over such use (typically the Santa Clara County Department of Environmental Health or the State of California, Department of Water Resources, Office of Drinking Water).
- G. If the well constructed under this permit cannot be or is not being used for its intended purpose, permittee is hereby required to destroy the well according to the District Well Standards and under permit from the District. Any test holes drilled under this permit must be destroyed within 24-hours of completion of testing activities. Destruction activities must be completed according to SCVWD standards. SCVWD must be notified a minimum of 24-hours prior to destruction.
- H. Within 60 days of the completion of the well construction activities, the driller or consultant identified on this permit shall fully complete State of California DWR Form 188 and mail the original to the District's Wells and Water Production Unit.
- I. The Permittee(s) shall assume entire responsibility for all activities and uses under this Permit and shall indemnify, defend, and hold the District, its officers, agents, and employees, free and harmless from any and all expense, cost, and liability in connection with or resulting from, the granting or exercise of this Permit including, but not limited to, property damage, personal injury, and wrongful death.
- J. Permittees are required to be in full compliance with Cal/OSHA California Labor Code Section 6300.
- K. A current C-57 Water Well Drilling Contractor's License is required for the construction of all wells.
- L. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all materials or waters generated during drilling, well construction, well development, pump testing, or other activities associated with this Permit, will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on- or off-site storm sewers, dry wells, or waterways. Such materials/waters must not be allowed to move off the property where the work is being completed.
- M. The driller and consultants (if applicable) shall have an active copy of their Worker's Compensation Insurance on file with District.
- N. This Permit shall expire if not exercised within 180 calendar days of its approval, unless an extension of the permit expiration date is granted by an authorized District representative.
- O. This permit must be kept on-site during the completion of all activities associated with it and shall immediately be presented to an authorized District representative upon request.

Special Conditions:

Community Projects Review Unit Approval: (if needed)

Approved By: _____

CPRU Permit No.:

Date: 6-22-05

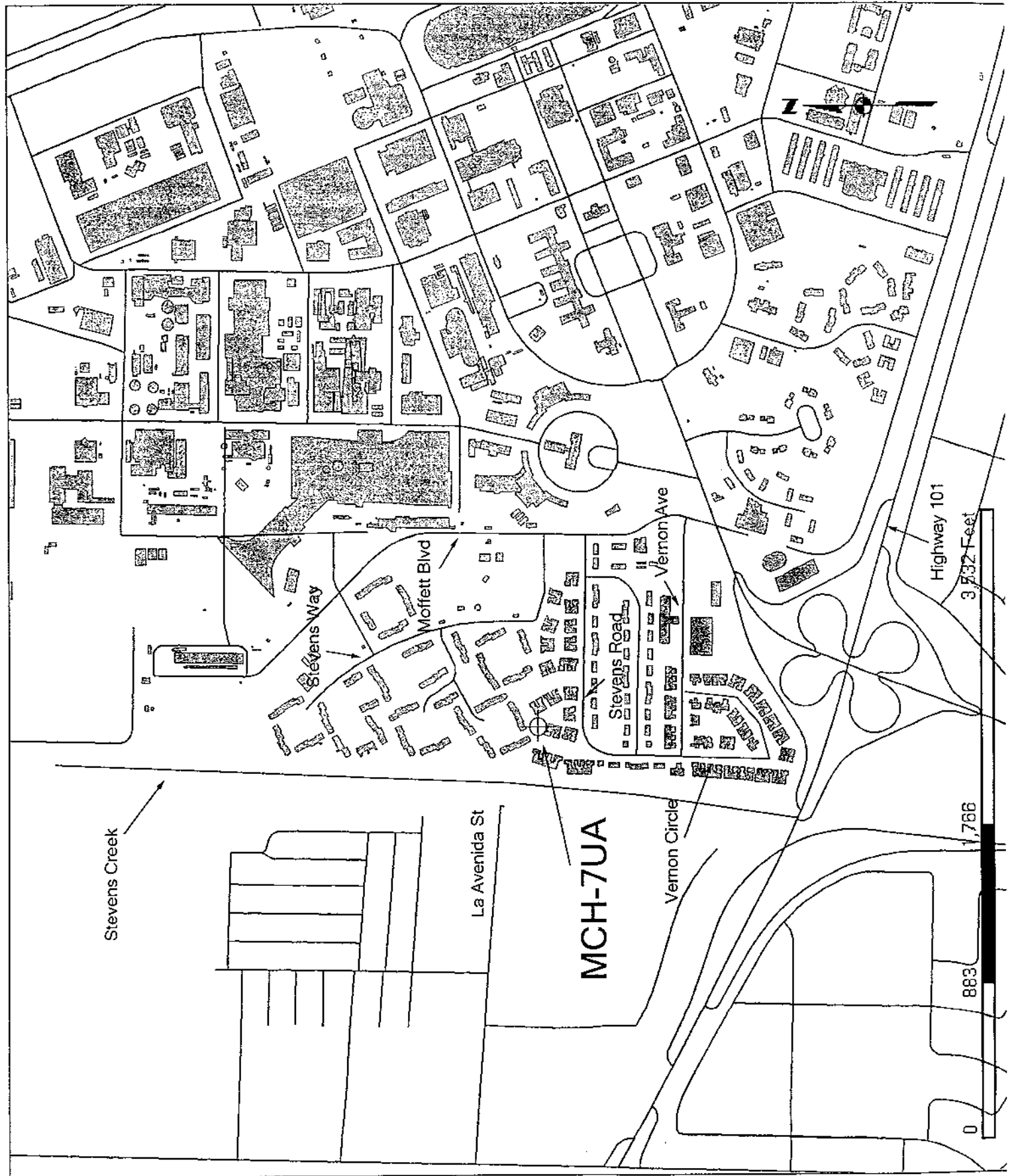
PLEASE ALLOW 10 WORKING DAYS TO PROCESS THIS APPLICATION

Orion
Park
Housing
Area

Legend

ROADS

BLDGS



Orion Park Housing Area



Well Annotations- 985 Wells Selected

APN: 11618008
Bayshore Pky
Mountain View CA
94043

No	Well_nbr	Permit	Consultnum	Status	Easting	Northing
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2	No Data	UNKNOWN	ERM-1	Undetermined	6111317	1974128
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7	No Data	UNKNOWN	W4-3	Undetermined	6113526	1979308
8	No Data	UNKNOWN	ERM-2	Undetermined	6111330	1974195
9	No Data	UNKNOWN	W3-21	Undetermined	6113934	1980166
10	No Data	UNKNOWN	ERM-6	Undetermined	6110309	1975615
11	No Data	UNKNOWN	W29-3	Undetermined	6109689	1976851
12	No Data	UNKNOWN	W67-1	Undetermined	6110226	1975707
13	No Data	UNKNOWN	ERM-5	Undetermined	6110196	1975736
14	No Data	UNKNOWN	ERM-4	Undetermined	6110130	1975715
15	No Data	UNKNOWN	14M2	Undetermined	6110071	1975695
16	No Data	UNKNOWN	W4-1	Undetermined	6113613	1979474
17	No Data	UNKNOWN	14(C)	Undetermined	6110989	1977376
18	No Data	UNKNOWN	WU4-2	Undetermined	6110276	1973903
19	No Data	UNKNOWN	W4-11-P1	Undetermined	6114321	1979445
20	No Data	UNKNOWN	W4-4	Undetermined	6113771	1979258

(See attached sheet(s) for additional wells)

- Wells.shp
- Water Supply - Active
 - Water Supply - Standby
 - Water Supply - Inactive
 - Extraction (Env) - Active
 - Extraction (Env) - Inactive
 - Other - Active
 - Other - Inactive
 - Abandoned
 - Destroyed
 - Status Undetermined
- Parcels.shp
- FuelLeak.shp
- VALFLOOR.SHP
- Zone 1
 - Zone 2
 - Zone 3
 - Zone 4
 - Zone 5

Approximate Scale

250 0 250 500 Feet

ORIGINAL
File with DWR

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

Page 1 of 1

Owner's Well No. MCH-84A

No. 0026439

Date Work Began 7-14-05, Ended 7-14-05

Local Permit Agency SLVWD

Permit No. 05W00392 Permit Date 6-22-05

DWR USE ONLY - DO NOT FILL IN

STATE WELL NO./STATION NO.	
LATITUDE	LONGITUDE
APN/TRS/OTHER	

GEOLOGIC LOG

ORIENTATION (\angle) ☒ VERTICAL ☐ HORIZONTAL ☐ ANGLE (SPECIFY) _____

DRILLING METHOD HSA FLUID N/A

DEPTH FROM SURFACE	DESCRIPTION
FL. to FL.	Describe material, grain size, color, etc.
	SEE ATTACHED BORING LOG

WELL OWNER

Name U.S. Dept. of Navy

Mailing Address 1220 Pacific Highway
San Diego CA 92132

CITY STATE ZIP

WELL LOCATION

Address Former NAS Moffett Field - Orion Park

City Moffett Field, CA

County Santa Clara

APN Book 116 Page 18 Parcel 008

Township 6S Range 2W Section 10

Latitude _____ Longitude _____

LOCATION SKETCH

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. **PLEASE BE ACCURATE & COMPLETE.**

ACTIVITY (\angle)

☒ NEW WELL

MODIFICATION/REPAIR

☐ Deepen

☐ Other (Specify) _____

DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (\angle)

WATER SUPPLY

☐ Domestic ☐ Public

☐ Irrigation ☐ Industrial

MONITORING ☒

TEST WELL ☐

CATHODIC PROTECTION ☐

HEAT EXCHANGE ☐

DIRECT PUSH ☐

INJECTION ☐

VAPOR EXTRACTION ☐

SPARGING ☐

REMEDIATION ☐

OTHER (SPECIFY) _____

TOTAL DEPTH OF BORING 49 (Feet)

TOTAL DEPTH OF COMPLETED WELL 45.5 (Feet)

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 13 (Ft.) BELOW SURFACE

DEPTH OF STATIC WATER LEVEL 13.11 (Ft.) & DATE MEASURED 8-2-05

ESTIMATED YIELD N/A (GPM) & TEST TYPE N/A

TEST LENGTH N/A (Hrs.) TOTAL DRAWDOWN N/A (Ft.)

* May not be representative of a well's long-term yield.

DEPTH FROM SURFACE			BORE-HOLE DIA. (Inches)	CASING (S)					DEPTH FROM SURFACE			ANNULAR MATERIAL			
				TYPE (≤)				MATERIAL / GRADE				INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE
FL.	to	FL.	BLANK	SCREEN	CON- DUCTOR	FILL PIPE									CE- MENT (≤)
0	35	10	✓				PVC	4	SCH 40	N/A		✓			Portland
35	45	10		✓			PVC	4	SCH 40	0.010			✓		Pellets
														✓	#2/12 Sand
												✓			Pellets

ATTACHMENTS (\angle)

☒ Geologic Log

☒ Well Construction Diagram

☐ Geophysical Log(s)

☐ Soil/Water Chemical Analyses

☐ Other _____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Tetra Tech EC, Inc.

(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

1230 Columbia Street, Suite 500, San Diego, CA 92101

ADDRESS CITY STATE ZIP

Signed for West Hazmat DATE SIGNED 8-29-05 C-57 LICENSE NUMBER 819548

WELL DRILLER/AUTHORIZED REPRESENTATIVE

Santa Clara Valley
Water District

WELL CONSTRUCTION COMPLETION NOTICE

FCE 158A (07-12-04)

Inspector:	Thiemann	Date of Inspection:	7/14/85	Permit:	05W00392
Well Owner:	U.S. Navy	Owner Well No.:	MOH 82A	Well Registration No.:	06S02W155012
Address of Well Site:	Orion Park Housing	Drilling Company:	West Hazmat	City/County:	San Jose County
Drilling Company:	West Hazmat	Confidant:	Tetra Tech		SC Co
Cond. Bore:	Conductor Depth:	Conductor Diameter:	TD: 49	Boring Diameter:	10" BOC: 45
Casing Diameter & Material:	Slot Size	Screen Interval(s):	35-45		
Filter Pack Material:	2/12	Filter Pack Interval(s):	47-33	Bent:	33-31 Seal Depth: 33
Sealing Material:	Neat Cement	10 Sack Sand Slurry		Drilling Method:	X HSA <input type="checkbox"/> Direct Push <input type="checkbox"/> Mud rotary <input type="checkbox"/> Other (See Comments)
	<input type="checkbox"/> Bentonite Slurry <input type="checkbox"/> Other (See Comments)				
Well Type:	X GW Monitoring <input type="checkbox"/> GW Extraction <input type="checkbox"/> Vadose Monitoring <input type="checkbox"/> Vadose Extraction <input type="checkbox"/> Cathodic <input type="checkbox"/> Domestic <input type="checkbox"/> Agricultural <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Elevator <input type="checkbox"/> Other (See Comments)				
Well constructed according to provisions of Santa Clara Valley Water District Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)					
Well Location:	218 N S: Stevens Rd	1058 N.E. 1/4	Moffett Blvd		
GPS Coordinates - Lat:	37 24 44.893 N	Long:	122 04 03.073 W		
Comments:	Bent 49-47				

Distribution: ORIGINAL-Permit File; YELLOW-City/County; PINK-Well File; GOLDENROD-Permittee

WELL CONSTRUCTION APPLICATION

FC 158 (12-16-02)

Page 1 of 2

TO BE COMPLETED BY DISTRICT		
District Permit No.: <u>05W00392</u>	Date Issued: <u>6-22-05</u>	Well Registration No.:
Geologic Setting: <u>01</u>	Expiration Date: <u>12-22-05</u>	Driller's Log No.: <u>02-6439</u>

TO BE COMPLETED BY OWNER AND DRILLER		
Well Owner: <u>U.S. Navy</u>	Property Owner: <u>U.S. Army</u>	Name of Business at Well Site: <u>Former NAS Moffett Field</u>
Well Owner's Mailing Address: <u>1220 Pacific Highway</u>	Property Owner's Mailing Address: <u>1325 J Street Apt: CESPK-RE-M</u>	Address of Well Site: <u>Orion Park Housing Area</u>
City, State, Zip: <u>San Diego, CA 92132</u>	City, State, Zip: <u>Sacramento, CA 95814</u>	City, State, Zip: <u>Moffett Field, CA 94035</u>
Telephone No. & Contact Name: <u>Rick Weissenborn 619-532-0952</u>	Telephone No. & Contact Name: <u>Mike Bain 916-557-6787</u>	Telephone No.:
Owner's/Consultant's Well No.: <u>MCH-8LA</u>		Assessor's Parcel Number of Well Site: <u>Book: 116 Page: 18 Parcel: 008</u>
Consultant (Company): <u>Tetra Tech FN, Inc.</u>	Drilling Company: <u>West HazMat</u>	
Address: <u>1230 Columbia Street, Suite 500</u>	Address: <u>1016 East Katella Avenue</u>	
City, State, Zip: <u>San Diego, CA 92101</u>	City, State, Zip: <u>Anaheim, CA 92805</u>	
Telephone No.: <u>619-471-3525</u>	Telephone No.: <u>714-939-6850</u>	C-57 License No.: <u>819548</u>
<input type="checkbox"/> Check if address or phone number has changed		<input type="checkbox"/> Check if address or phone number has changed

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS	
CASE NAME: <u>Former NAS Moffett Field</u>	
Oversight Agency: <u>EPA/RWQCB</u>	If under S.C.V.W.D. oversight, list Case Number(s):
Type of monitoring device: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	<u>Dennis Goldman</u> Signature of Responsible Professional (No substitution of signature will be accepted) <u>Dennis Goldman</u> Print Name <u>#4509</u> Registration No. Civil Engineer OR Registration No. Geologist
Type of extraction device: <input type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	
Monitoring well use: <input type="checkbox"/> Depth <input checked="" type="checkbox"/> Quality <input type="checkbox"/> Chloride	
Nested Well: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Note: If Nested Well is proposed, a separate permit is needed for each casing.	

Estimated Depth of Completed Well: <input checked="" type="checkbox"/> Less than 50 ft. <input type="checkbox"/> 50 to 300 ft. <input type="checkbox"/> Over 300 ft. <input type="checkbox"/> Other: _____
Purpose of Well: <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Agricultural <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Cathodic Protection <input type="checkbox"/> Other: _____
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Within 100 ft. of a pit privy, septic tank, leachfield: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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<u>BBK for West Hazmat</u> Signature of Well Driller/Agent	<u>6-6-05</u> Date	<u>BBK for West Hazmat</u> Print Name of Well Driller/Agent

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 Call (408) 265-2607 Ext. 2660. For weekends, holidays, or after hours call (408) 265-2607 Ext. 2660.

JUN 13 2005

SCVWD

WELL CONSTRUCTION APPLICATION

DISTRICT WELL PERMIT NO.: 05000392

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Approved As Submitted: ☐ Approved As Corrected: ☐

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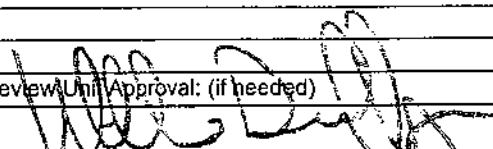
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Approved By: 		Date: <u>6-22-05</u>

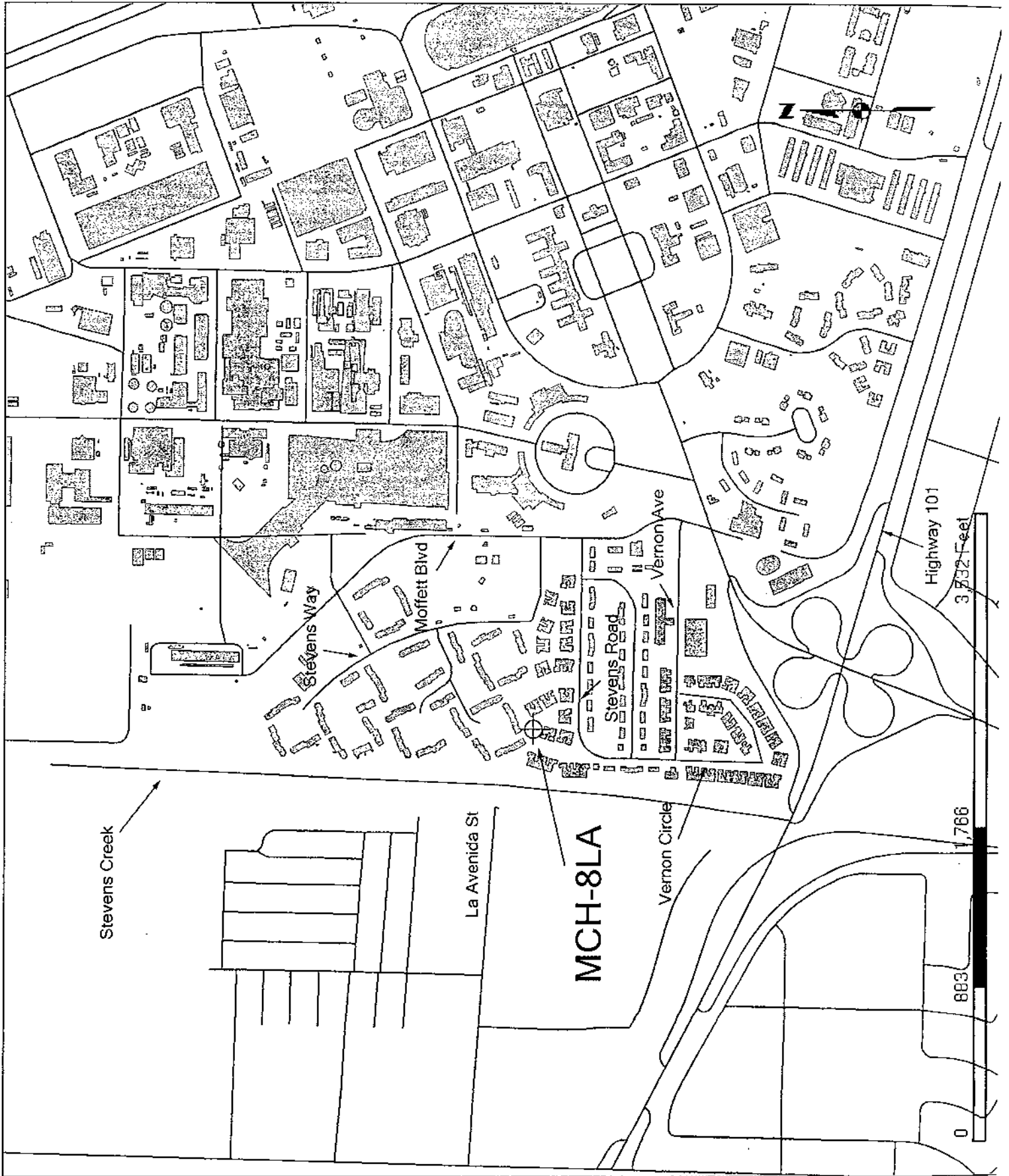
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Orion Park Housing Area

Legend

ROADS

BLDGS



Orion Park Housing Area



APN: 11618008
Bayshore Pky
Mountain View CA
94043

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6	No Data	UNKNOWN	FP9-1	Undetermined	6109814	1976834
7	No Data	UNKNOWN	W4-3	Undetermined	6113526	1979308
8	No Data	UNKNOWN	ERM-2	Undetermined	6111330	1974195
9	No Data	UNKNOWN	W3-21	Undetermined	6113934	1980166
10	No Data	UNKNOWN	ERM-6	Undetermined	6110309	1975615
11	No Data	UNKNOWN	W29-3	Undetermined	6109689	1976851
12	No Data	UNKNOWN	W67-1	Undetermined	6110226	1975707
13	No Data	UNKNOWN	ERM-5	Undetermined	6110196	1975736
14	No Data	UNKNOWN	ERM-4	Undetermined	6110130	1975715
15	No Data	UNKNOWN	14M2	Undetermined	6110071	1975695
16	No Data	UNKNOWN	W4-1	Undetermined	6113613	1979474
17	No Data	UNKNOWN	14(C)	Undetermined	6110989	1977376
18	No Data	UNKNOWN	WU4-2	Undetermined	6110276	1973903
19	No Data	UNKNOWN	W4-11-P1	Undetermined	6114321	1979445
20	No Data	UNKNOWN	W4-4	Undetermined	6113771	1979258

(See attached sheet(s) for additional wells)

- Wells.shp
- Water Supply - Active
 - Water Supply - Standby
 - Water Supply - Inactive
 - Extraction (Env) - Active
 - Extraction (Env) - Inactive
 - Other - Active
 - Other - Inactive
 - Abandoned
 - Destroyed
 - Status Undetermined
- Parcels.shp
- Fuel/Leak.shp
 - VALFLOOR.SHIP
 - Zone 1
 - Zone 2
 - Zone 3
 - Zone 4
 - Zone 5

Approximate Scale

250 0 250 500 Feet

ORIGINAL
File with DWR

Page 1 of 1

Owner's Well No. MCH-9UA

No. e026440

Date Work Began 7-20-05 Ended 7-20-05

Local Permit Agency SCVWD

Permit No. 05W00393 Permit Date 6-22-05

STATE OF CALIFORNIA

WELL COMPLETION REPORT

Refer to Instruction Pamphlet

DWR USE ONLY — DO NOT FILL IN

STATE WELL NO./STATION NO.

LATITUDE

LONGITUDE

APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (✓) ☒ VERTICAL ☐ HORIZONTAL ☐ ANGLE (SPECIFY)

DRILLING
METHOD

HSA

FLUID N/A

DESCRIPTION

Describe material, grain size, color, etc.

DEPTH FROM
SURFACE
FL. to FL.

SEE ATTACHED BORING LOG

WELL OWNER

Name U.S. Dept. of Navy

Mailing Address 1220 Pacific Highway
San Diego CA 92132

CITY

STATE

ZIP

WELL LOCATION

Address Former NAS Moffett Field - Orion Park

City Moffett Field, CA

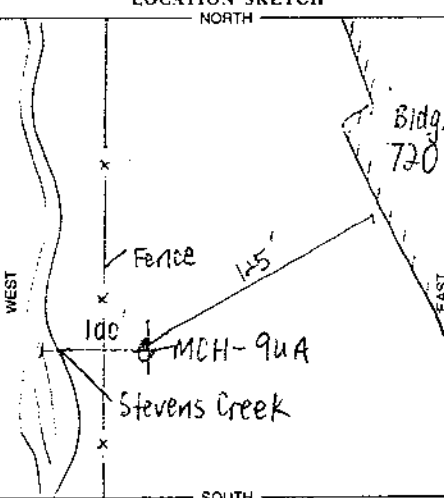
County Santa Clara

APN Book 116 Page 18 Parcel 008

Township 6S Range 2W Section 10

Latitude DEG. MIN. SEC. NORTH Longitude DEG. MIN. SEC. WEST

LOCATION SKETCH



ACTIVITY (✓)

☒ NEW WELL

MODIFICATION/REPAIR

☐ Deepen

☐ Other (Specify)

☐ DESTROY (Describe
Procedures and Materials
Under "GEOLOGIC LOG")

PLANNED USES (✓)

WATER SUPPLY

☐ Domestic ☐ Public

☐ Irrigation ☐ Industrial

MONITORING ☒

TEST WELL ☐

CATHODIC PROTECTION ☐

HEAT EXCHANGE ☐

DIRECT PUSH ☐

INJECTION ☐

VAPOR EXTRACTION ☐

SPARGING ☐

REMEDIATION ☐

OTHER (SPECIFY) ☐

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 5 (FL) BELOW SURFACE

DEPTH OF STATIC
WATER LEVEL 4.49 (FL) & DATE MEASURED 8-2-05

ESTIMATED YIELD N/A (GPM) & TEST TYPE N/A

TEST LENGTH N/A (Hrs.) TOTAL DRAWDOWN N/A (FL)

* May not be representative of a well's long-term yield.

TOTAL DEPTH OF BORING 29 (Feet)

TOTAL DEPTH OF COMPLETED WELL 26.5 (Feet)

DEPTH FROM SURFACE			BORE-HOLE DIA. (Inches)	CASING (S)					ANNULAR MATERIAL					
				TYPE (✓)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE		
FL.	to	FL.	BLANK	SCREEN	CON- DUCTOR	FILL PIPE								
0	16	10	✓				PVC	4	SCH 40	N/A	✓			Portland
16	26	10	✓				PVC	4	SCH 40	0.010		✓		Pellets
													✓	#2/12 Sand
												✓		Pellets

ATTACHMENTS (✓)

- ☒ Geologic Log
- ☒ Well Construction Diagram
- ☐ Geophysical Log(s)
- ☐ Soil/Water Chemical Analyses
- ☐ Other

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME TetraTech EC, Inc.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS 1230 Columbia Street, Suite 500, San Diego, CA 92101

Address Biller for West Hazmat

Signature

WELL DRILLER/AUTHORIZED REPRESENTATIVE

CITY

8-29-05

DATE SIGNED

STATE

819548

C-57 LICENSE NUMBER

Santa Clara Valley
Water District

WELL CONSTRUCTION COMPLETION NOTICE

FCE 158A (07-12-04)

Inspector: <u>M. Clarke</u>	Date of Inspection: <u>7/20/05</u>	Permit: <u>05600393</u>
Well Owner: <u>U.S. Navy</u>	Owner Well No.: <u>MCH-94A</u>	Well Registration No.: <u>06SG261555009</u>
Address of Well Site: <u>Orion Park Housing Area</u>	City or County: <u>Moffett Field</u>	
Drilling Company: <u>West Hazmat</u>	Consultant: <u>Tetra Tech</u>	
Cond. Bore: <u>Conductor</u>	Conductor Diameter & Material: <u>1 TD: 27'</u>	Boring Diameter: <u>10"</u> BOC: <u>27'</u>
Casing Diameter: <u>4" PVC</u>	Slot Size: <u>20</u>	Seal Depth: <u>14'</u>
Filter Pack Material: <u>2x12 sand</u>	Filter Pack Interval(s): <u>27-14'</u>	Bent: <u>14'-12'</u>
Sealing Material: <u>Neat Cement</u>	<input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> 10 Sack Sand Slurry	Drilling Method: <input checked="" type="checkbox"/> HSA <input type="checkbox"/> Mud rotary <input type="checkbox"/> Other (See Comments)
<input type="checkbox"/> Bentonite Slurry	<input type="checkbox"/> Other (See Comments)	<input type="checkbox"/> Direct Push <input type="checkbox"/> Air Rotary
Well Type: <input checked="" type="checkbox"/> GW Monitoring <input type="checkbox"/> GW Extraction <input type="checkbox"/> Vadose Monitoring	<input type="checkbox"/> Vadose Extraction <input type="checkbox"/> Cathodic	<input type="checkbox"/> Other (See Comments)
<input type="checkbox"/> Domestic <input type="checkbox"/> Agricultural <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Elevator	Well constructed according to provisions of Santa Clara Valley Water District Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)	
Well Location: <u>779' N / S: Stevens Rd. Ext.</u>	<u>1245' N.E. / W. Moffett Blvd.</u>	
GPS Coordinates - Lat: <u>37 24 49.856 N</u>	Long: <u>122 04 05.694 W</u>	
Comments:		

Sampling water only (Behind Building 720)

Distribution: ORIGINAL-Permit File; YELLOW-City/County; PINK-Well File; GOLDENROD-Permittee

WELL CONSTRUCTION APPLICATION

FC 158 (12-16-02)
Page 1 of 2

TO BE COMPLETED BY DISTRICT		
District Permit No.: <u>05W00393</u>	Date Issued: <u>6-22-05</u>	Well Registration No.:
Geologic Setting: <u>d</u>	Expiration Date: <u>12-22-05</u>	Driller's Log No.: <u>026440</u>

TO BE COMPLETED BY OWNER AND DRILLER		
Well Owner: <u>U.S. Navy</u>	Property Owner: <u>U.S. Army</u>	Name of Business at Well Site: <u>Former NAS Moffett Field</u>
Well Owner's Mailing Address: <u>1220 Pacific Highway</u>	Property Owner's Mailing Address: <u>1325 J Street Apt: CESPK-RE-M</u>	Address of Well Site: <u>Orton Park Housing Area</u>
City, State, Zip: <u>San Diego, CA 92132</u>	City, State, Zip: <u>Sacramento, CA 95814</u>	City, State, Zip: <u>Moffett Field, CA 94035</u>
Telephone No. & Contact Name: <u>Rick Weissenborn 619-532-0952</u>	Telephone No. & Contact Name: <u>Mike Bain 916-557-6787</u>	Telephone No.:
Owner's/Consultant's Well No.: <u>MCH-9UA</u>	Assessor's Parcel Number of Well Site: <u>Book: 116 Page: 18 Parcel: 008</u>	
Consultant (Company): <u>Tetra Tech FW, Inc.</u>	Drilling Company: <u>West Hazmat</u>	
Address: <u>1230 Columbia Street, Suite 500</u>	Address: <u>1016 East Katella Avenue</u>	
City, State, Zip: <u>San Diego, CA 92101</u>	City, State, Zip: <u>Anaheim, CA 92805</u>	
Telephone No.: <u>619-471-3525</u>	Telephone No.: <u>714-939-6850</u>	C-57 License No.: <u>819548</u>
<input type="checkbox"/> Check if address or phone number has changed	<input type="checkbox"/> Check if address or phone number has changed	

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS	
CASE NAME: <u>Former NAS Moffett Field</u>	
Oversight Agency: <u>EPA/RWQCB</u>	If under S.C.V.W.D. oversight, list Case Number(s):
Type of monitoring device: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	<u>Dennis Goldman</u> Signature of Responsible Professional (No substitution of signature will be accepted) <u>Dennis Goldman</u> Print Name <u>#4509</u> Registration No. Civil Engineer OR Registration No. Geologist
Type of extraction device: <input type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	
Monitoring well use: <input type="checkbox"/> Depth <input checked="" type="checkbox"/> Quality <input type="checkbox"/> Chloride	
Nested Well: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Note: If Nested Well is proposed, a separate permit is needed for each casing.	

Estimated Depth of Completed Well: <input checked="" type="checkbox"/> Less than 50 ft. <input type="checkbox"/> 50 to 300 ft. <input type="checkbox"/> Over 300 ft. <input type="checkbox"/> Other: _____	
Purpose of Well: <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Agricultural <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Cathodic Protection <input type="checkbox"/> Other: _____	
*Monitoring wells are those constructed for the purpose of obtaining repetitive water level measurements and/or repetitive air samples for analysis.	
Well is to be Constructed: <input type="checkbox"/> In a public sidewalk <input type="checkbox"/> In a public road <input type="checkbox"/> On public property <input checked="" type="checkbox"/> On private property <input type="checkbox"/> On SCVWD property*	
Within 50 ft. of the top of a creek* <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 50 ft. of any existing well <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 50 ft. of sanitary sewer <input type="checkbox"/> Yes <input type="checkbox"/> No	Within 150 ft. of a cesspool or seepage pit <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 100 ft. of a pit privy, septic tank, leachfield <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Other wells exist on this property? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
*See General Condition E, page 2.	
Status: <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Abandoned	

CERTIFICATION BY WELL OWNER/AGENT AND DRILLER/AGENT	
I certify that the information given above is correct. I certify that the well will be constructed in compliance with the conditions of this permit (See Page 2), and Santa Clara Valley Water District Ordinance 90-1. I also certify that a right of entry/encroachment agreement has been formalized between the well owner and property owner, if parties differ. I understand that it is my responsibility as the well owner, to notify this District of any changes in the purpose of this well, from that which is indicated on this application. NOTE: All applicable signatures must be present before permit will be processed.	
<u>Leslie Tornatore</u> Signature of Property Owner/Agent <u>6/9/05</u> Date	<u>Leslie Tornatore</u> Acting Chief, Real Estate Division Print Name of Property Owner/Agent
<u>Wilson Doctor</u> Signature of Well Owner/Agent <u>6/6/05</u> Date	<u>Wilson Doctor</u> Print Name of Well Owner/Agent
<u>Bayle Bartelma</u> Signature of Well Driller/Agent <u>6-6-05</u> Date	<u>Bayle Bartelma</u> Print Name of Well Driller/Agent

IMPORTANT: A minimum 24-hour notice must be given to SCVWD Well Inspection or to the engineering or legal department. Call (408) 265-2607 Ext. 2660. For weekends, holidays, or after hours call (408) 265-2607 Ext. 2120.

JUN 13 2005

S.C.V.W.D.

DISTRICT WELL PERMIT NO.: 05W00393

Based on information on this application and attachment(s) hereto (if any) and subject to approval noted below, permission is hereby granted to construct (drill) the described well. Permission to start work may be withheld until a field check verifies all statements made on application by Permittee and is also subject to the "General" and "Special" Conditions stated below.

COUNTY OF SANTA CLARA DEPARTMENT OF ENVIRONMENTAL HEALTH APPROVAL

Domestic Water Supply Wells Only (Note: D. E. H. Approval must be granted before this application will be accepted by S.C.V.W.D.)

Date: _____ Approved By: _____, R.E.H.S.

Approved As Submitted: ☐ Approved As Corrected: ☐

SITE PLAN

A SITE PLAN MUST BE ATTACHED TO THIS APPLICATION

THE SITE PLAN MUST BE SUBMITTED ON 8 1/2" X 11" PAPER

THE SITE PLAN MUST CONTAIN:

1. Location of site features, including major buildings, landscaped areas, tank fields, existing wells, etc.
2. North arrow and scale
3. Location of proposed well with dimensions in feet from well to nearest cross streets

GENERAL CONDITIONS

- A. SCVWD (Telephone 408-265-2607, Ext. 2660) MUST BE NOTIFIED A MINIMUM OF ONE WORKING DAY BEFORE CONSTRUCTION OF THE ANNULAR SEAL. An authorized District representative must be on site to witness the construction of the annular seal. This requirement may be waived by an authorized District representative. If the District waives the inspection requirement, the District may request the Permittee(s) to furnish certification, under penalty of perjury, that the well was constructed in accordance with the District Well Standards and with the permit conditions.
- B. This Permit is valid only for the purpose specified herein. Well construction methods authorized under this Permit may not be changed except by written approval of an authorized District representative, and only if the District believes that such a change will result in equal or superior compliance with the District and State Well Standards (e.g. if the District representative finds that site conditions warrant such a change).
- C. This Permit is only valid for the Assessor's Parcel Number indicated on it.
- D. This Permit may be voided if it contains incorrect information. If the permit is voided after work has begun, the well or boring that was constructed under this permit must be destroyed in accordance with District and State Well Standards.
- E. If any work associated with this permit will take place within 50 feet of the top of the banks of a stream, water course, or on SCVWD Property, an encroachment or construction permit must be granted by the District's Community Projects Review Unit (telephone 408-265-2607 Ext. 2589).
- F. Before the well constructed under this permit can be used as a drinking water source, its use must be approved by the regulatory agency with authority over such use (typically the Santa Clara County Department of Environmental Health or the State of California, Department of Water Resources, Office of Drinking Water).
- G. If the well constructed under this permit cannot be or is not being used for its intended purpose, permittee is hereby required to destroy the well according to the District Well Standards and under permit from the District. Any test holes drilled under this permit must be destroyed within 24-hours of completion of testing activities. Destruction activities must be completed according to SCVWD standards. SCVWD must be notified a minimum of 24-hours prior to destruction.
- H. Within 60 days of the completion of the well construction activities, the driller or consultant identified on this permit shall fully complete State of California DWR Form 188 and mail the original to the District's Wells and Water Production Unit.
- I. The Permittee(s) shall assume entire responsibility for all activities and uses under this Permit and shall indemnify, defend, and hold the District, its officers, agents, and employees, free and harmless from any and all expense, cost, and liability in connection with or resulting from, the granting or exercise of this Permit including, but not limited to, property damage, personal injury, and wrongful death.
- J. Permittees are required to be in full compliance with Cal/OSHA California Labor Code Section 6300.
- K. A current C-57 Water Well Drilling Contractor's License is required for the construction of all wells.
- L. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all materials or waters generated during drilling, well construction, well development, pump testing, or other activities associated with this Permit, will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on- or off-site storm sewers, dry wells, or waterways. Such materials/waters must not be allowed to move off the property where the work is being completed.
- M. The driller and consultants (if applicable) shall have an active copy of their Worker's Compensation Insurance on file with District.
- N. This Permit shall expire if not exercised within 180 calendar days of its approval, unless an extension of the permit expiration date is granted by an authorized District representative.
- O. This permit must be kept on-site during the completion of all activities associated with it and shall immediately be presented to an authorized District representative upon request.

Special Conditions:

Community Projects Review Unit Approval: (if needed)

CPRU Permit No.:

Approved By:

Date:

6-22-05

PLEASE ALLOW 10 WORKING DAYS TO PROCESS THIS APPLICATION

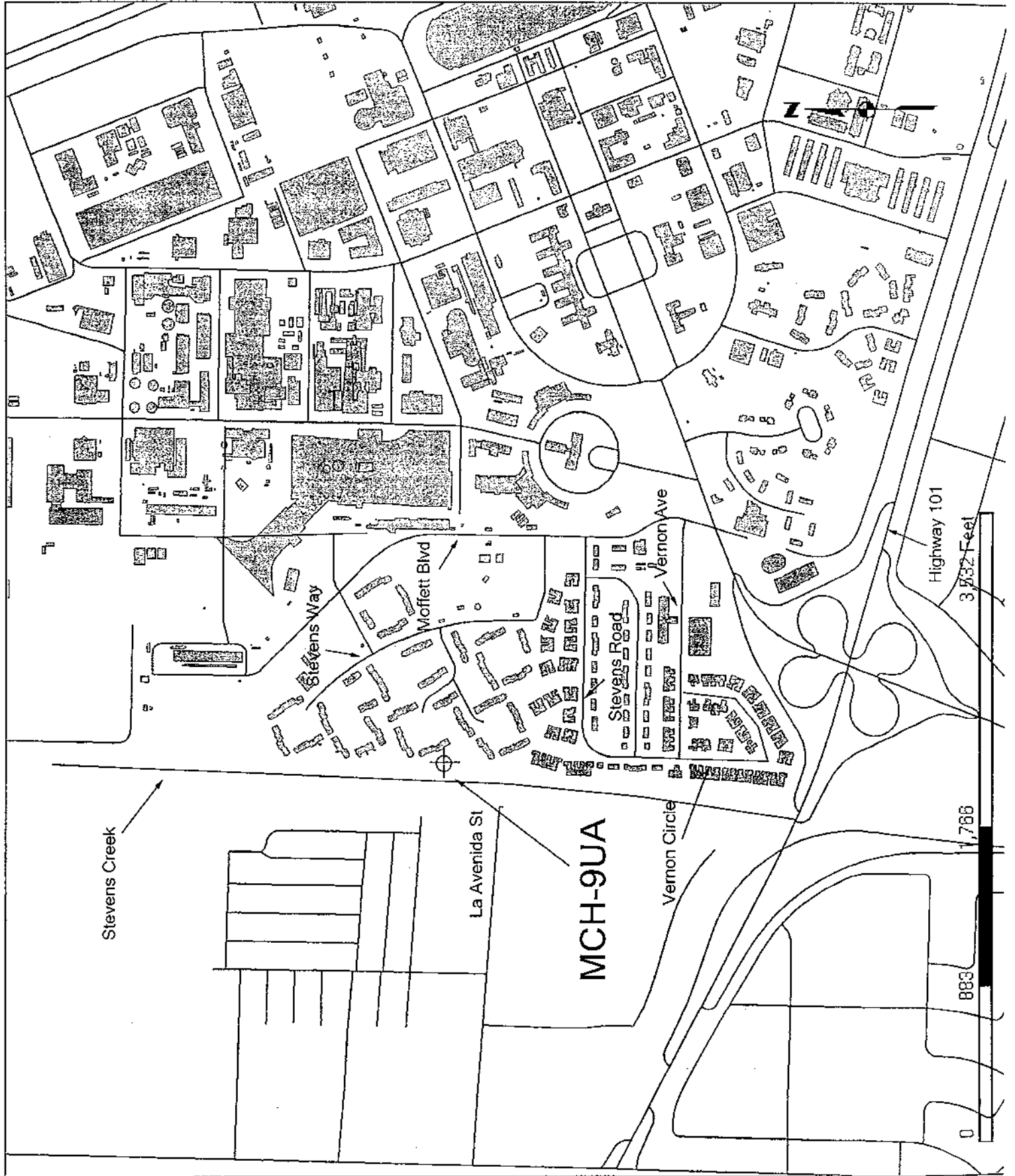


Orion Park Housing Area

Legend

ROADS

BLDGS



Orion Park Housing Area



APN: 11618008
Bayshore Pky
Mountain View CA
94043

Well Annotations- 985 Wells Selected

No	Well_nbr	Permit	Consultnum	Status	Easting	Northing
1	No Data	No Data	No Data	Other-Active	6109971	1976272
2	No Data	UNKNOWN	ERM-1	Undetermined	6111317	1974128
3	No Data	UNKNOWN	ERM-3	Undetermined	6111346	1974136
4	No Data	UNKNOWN	14D25A2	Undetermined	6109335	1978251
5	No Data	UNKNOWN	W3-7	Undetermined	6113613	1980783
6	No Data	UNKNOWN	FP9-1	Undetermined	6109814	1976834
7	No Data	UNKNOWN	W4-3	Undetermined	6113526	1979308
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13	No Data	UNKNOWN	ERM-5	Undetermined	6110196	1975736
14	No Data	UNKNOWN	ERM-4	Undetermined	6110130	1975715
15	No Data	UNKNOWN	14M2	Undetermined	6110071	1975695
16	No Data	UNKNOWN	W4-1	Undetermined	6113613	1979474
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19	No Data	UNKNOWN	W4-11-P1	Undetermined	6114321	1979445
20	No Data	UNKNOWN	W4-4	Undetermined	6113771	1979258

(See attached sheet(s) for additional wells)

- Wells.shp
- Water Supply - Active
 - Water Supply - Standby
 - Water Supply - Inactive
 - Extraction (Env) - Active
 - Extraction (Env) - Inactive
 - Other - Active
 - Other - Inactive
 - Abandoned
 - Destroyed
 - Status Undetermined
- Parcels.shp
- Fuelleak.shp
- VALFLOOR.SHP
- Zone 1
 - Zone 2
 - Zone 3
 - Zone 4
 - Zone 5

Approximate Scale

250 0 250 500 Feet

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Santa Clara Valley
Water District

WELL CONSTRUCTION COMPLETION NOTICE

FCE 158A (07-12-04)

Inspector: <u>Thiemann</u>	Date of Inspection: <u>7/21/05</u>	Permit: <u>05W00394</u>
Well Owner: <u>US Navy MCH 102A</u>	Well Registration No.: <u>06SGW36008</u>	
Address of Well Site: <u>Stevens Hwy</u>	City: <u>Moffett Field</u>	State: <u>SC</u>
Drilling Company: <u>Test America</u>	Consultant: <u>Tech Tech</u>	
Cond. Bore: <u>48.5</u>	TD: <u>48.5</u>	Boring Diameter: <u>10"</u>
Casing Diameter & Material: <u>4" PVC</u>	Screen Interval(s): <u>45 - 35</u>	Seal Depth: <u>33</u>
Filter Pack Material: <u>2/12</u>	Filter Pack Interval(s): <u>47 - 33</u>	Bent: <u>33 - 31</u>
Sealing Material: <u>Neat Cement</u>	<input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> 10 Sack Sand Slurry	Drilling Method: <input checked="" type="checkbox"/> HSA <input type="checkbox"/> Mud rotary <input type="checkbox"/> Other (See Comments)
<input checked="" type="checkbox"/> Bentonite Slurry <input type="checkbox"/> Other (See Comments)		<input type="checkbox"/> Direct Push <input type="checkbox"/> Air Rotary
Well Type: <input checked="" type="checkbox"/> GW Monitoring <input type="checkbox"/> GW Extraction <input type="checkbox"/> Vadose Monitoring <input type="checkbox"/> Vadose Extraction <input type="checkbox"/> Cathodic	<input type="checkbox"/> Domestic <input type="checkbox"/> Agricultural <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Elevator	<input type="checkbox"/> Other (See Comments)
Well constructed according to provisions of Santa Clara Valley Water District Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)		
Well Location: <u>311 N S: Southern leg</u>	<u>85</u> <input checked="" type="checkbox"/> W: <u>N trending</u>	
GPS Coordinates - Lat: <u>37</u>	Long: <u>122 03 55.157 W</u>	
Comments: <u>Ground 48.5 - 47</u>		
Distribution: ORIGINAL-Permit File; YELLOW-City/County; PINK-Well File; GOLDENROD-Permittee		

WELL CONSTRUCTION APPLICATION

FC 158 (12-16-02)

Page 1 of 2

TO BE COMPLETED BY DISTRICT		
District Permit No.: <u>05W00394</u>	Date Issued: <u>6-22-05</u>	Well Registration No.:
Geologic Setting: <u>01</u>	Expiration Date: <u>12-22-05</u>	Driller's Log No.: <u>026441</u>

TO BE COMPLETED BY OWNER AND DRILLER		
Well Owner: <u>U.S. Navy</u>	Property Owner: <u>U.S. Army</u>	Name of Business at Well Site: <u>Former NAS Moffett Field</u>
Well Owner's Mailing Address: <u>1220 Pacific Highway</u>	Property Owner's Mailing Address: <u>1335 J Street Apt: CESP-KRE-M</u>	Address of Well Site: <u>Orton Park Housing Area</u>
City, State, Zip: <u>San Diego, CA 92132</u>	City, State, Zip: <u>Sacramento, CA 95814</u>	City, State, Zip: <u>Moffett Field, CA 94035</u>
Telephone No. & Contact Name: <u>Rick Weissenborn 619-532-0952</u>	Telephone No. & Contact Name: <u>Mike Bain 916-557-6787</u>	Telephone No.:
Owner's/Consultant's Well No.: <u>MCH-10LA</u>	Assessor's Parcel Number of Well Site: <u>Book: 116 Page: 18 Parcel: 008</u>	
Consultant (Company): <u>Tetra Tech FW, Inc.</u>	Drilling Company: <u>West Hazmat</u>	
Address: <u>1230 Columbia Street, Suite 500</u>	Address: <u>1016 East Katella Avenue</u>	
City, State, Zip: <u>San Diego, CA 92101</u>	City, State, Zip: <u>Anaheim, CA 92805</u>	
Telephone No.: <u>619-471-3525</u>	Telephone No.: <u>714-939-6850</u>	C-57 License No.: <u>814548</u>
<input type="checkbox"/> Check if address or phone number has changed		<input type="checkbox"/> Check if address or phone number has changed

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS	
CASE NAME: <u>Former NAS Moffett Field</u>	
Oversight Agency: <u>EPA/RWQCB</u>	If under S.C.V.W.D oversight, list Case Number(s):
Type of monitoring device: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	<u>Dennis Goldman</u> Signature of Responsible Professional (No substitution of signature will be accepted) <u>Dennis Goldman</u> Print Name <u>#4509</u> Registration No. Civil Engineer OR Registration No. Geologist
Type of extraction device: <input type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	
Monitoring well use: <input type="checkbox"/> Depth <input checked="" type="checkbox"/> Quality <input type="checkbox"/> Chloride	
Nested Well: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Note: If Nested Well is proposed, a separate permit is needed for each casing.	

Estimated Depth of Completed Well: <input checked="" type="checkbox"/> Less than 50 ft. <input type="checkbox"/> 50 to 300 ft. <input type="checkbox"/> Over 300 ft. <input type="checkbox"/> Other: _____
Purpose of Well: <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Agricultural <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Cathodic Protection <input type="checkbox"/> Other: _____
*Monitoring wells are those constructed for the purpose of obtaining repetitive water level measurements and/or repetitive air samples for analysis.
Well is to be Constructed: <input type="checkbox"/> In a public sidewalk <input type="checkbox"/> In a public road <input type="checkbox"/> On public property <input checked="" type="checkbox"/> On private property <input type="checkbox"/> On SCVWD property*
Within 50 ft. of the top of a creek* <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 50 ft. of any existing well <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 50 ft. of sanitary sewer <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 150 ft. of a cesspool or seepage pit <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 100 ft. of a pit privy, septic tank, leachfield <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Other wells exist on this property? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Status: <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Abandoned

CERTIFICATION BY WELL OWNER/AGENT AND DRILLER/AGENT		
I certify that the information given above is correct. I certify that the well will be constructed in compliance with the conditions of this permit (See Page 2), and Santa Clara Valley Water District Ordinance 90-1. I also certify that a right of entry/encroachment agreement has been formalized between the well owner and property owner, if parties differ. I understand that it is my responsibility as the well owner, to notify this District of any changes in the purpose of this well, from that which is indicated on this application. NOTE: All applicable signatures must be present before permit will be processed.		
<u>Leslie Tomatore</u> Signature of Property Owner/Agent	<u>6/9/05</u> Date	<u>Leslie Tomatore</u> Acting Chief, Real Estate Division Print Name of Property Owner/Agent
<u>Wilson Doctor</u> Signature of Well Owner/Agent	<u>6/6/05</u> Date	<u>Wilson Doctor</u> Print Name of Well Owner/Agent
<u>BK for WestHazmat</u> Signature of Well Driller/Agent	<u>6-6-05</u> Date	<u>DANCE BARTOLMA</u> Print Name of Well Driller/Agent

IMPORTANT: A minimum 24-hour notice must be given to SCVWD Well Inspection Dept. prior to installing the annular seal.
 Call (408) 265-2607 Ext. 2660. For weekends, holidays, or after hours call (408) 265-2607 Ext. 2120.

JUN 14 2005

WELL CONSTRUCTION APPLICATION

FC 158 (12-16-02)
Page 2 of 2

DISTRICT WELL PERMIT NO.: 05W 00394

Based on information on this application and attachment(s) hereto (if any) and subject to approval noted below, permission is hereby granted to construct (drill) the described well. Permission to start work may be withheld until a field check verifies all statements made on application by Permittee and is also subject to the "General" and "Special" Conditions stated below.

COUNTY OF SANTA CLARA DEPARTMENT OF ENVIRONMENTAL HEALTH APPROVAL

Domestic Water Supply Wells Only (Note: D. E. H. Approval must be granted before this application will be accepted by S.C.V.W.D.)

Date: _____ Approved By: _____, R.E.H.S.

Approved As Submitted: ☐ Approved As Corrected: ☐

SITE PLAN

A SITE PLAN MUST BE ATTACHED TO THIS APPLICATION
THE SITE PLAN MUST BE SUBMITTED ON 8 1/2" X 11" PAPER
THE SITE PLAN MUST CONTAIN:

1. Location of site features, including major buildings, landscaped areas, tank fields, existing wells, etc.
2. North arrow and scale
3. Location of proposed well with dimensions in feet from well to nearest cross streets

GENERAL CONDITIONS

- A. SCVWD (Telephone 408-265-2607, Ext. 2660) MUST BE NOTIFIED A MINIMUM OF ONE WORKING DAY BEFORE CONSTRUCTION OF THE ANNULAR SEAL. An authorized District representative must be on site to witness the construction of the annular seal. This requirement may be waived by an authorized District representative. If the District waives the inspection requirement, the District may request the Permittee(s) to furnish certification, under penalty of perjury, that the well was constructed in accordance with the District Well Standards and with the permit conditions.
- B. This Permit is valid only for the purpose specified herein. Well construction methods authorized under this Permit may not be changed except by written approval of an authorized District representative, and only if the District believes that such a change will result in equal or superior compliance with the District and State Well Standards (e.g. if the District representative finds that site conditions warrant such a change).
- C. This Permit is only valid for the Assessor's Parcel Number indicated on it.
- D. This Permit may be voided if it contains incorrect information. If the permit is voided after work has begun, the well or boring that was constructed under this permit must be destroyed in accordance with District and State Well Standards.
- E. If any work associated with this permit will take place within 50 feet of the top of the banks of a stream, water course, or on SCVWD Property, an encroachment or construction permit must be granted by the District's Community Projects Review Unit (telephone 408-265-2607 Ext. 2589).
- F. Before the well constructed under this permit can be used as a drinking water source, its use must be approved by the regulatory agency with authority over such use (typically the Santa Clara County Department of Environmental Health or the State of California, Department of Water Resources, Office of Drinking Water).
- G. If the well constructed under this permit cannot be or is not being used for its intended purpose, permittee is hereby required to destroy the well according to the District Well Standards and under permit from the District. Any test holes drilled under this permit must be destroyed within 24-hours of completion of testing activities. Destruction activities must be completed according to SCVWD standards. SCVWD must be notified a minimum of 24-hours prior to destruction.
- H. Within 60 days of the completion of the well construction activities, the driller or consultant identified on this permit shall fully complete State of California DWR Form 188 and mail the original to the District's Wells and Water Production Unit.
- I. The Permittee(s) shall assume entire responsibility for all activities and uses under this Permit and shall indemnify, defend, and hold the District, its officers, agents, and employees, free and harmless from any and all expense, cost, and liability in connection with or resulting from, the granting or exercise of this Permit including, but not limited to, property damage, personal injury, and wrongful death.
- J. Permittees are required to be in full compliance with Cal/OSHA California Labor Code Section 6300.
- K. A current C-57 Water Well Drilling Contractor's License is required for the construction of all wells.
- L. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all materials or waters generated during drilling, well construction, well development, pump testing, or other activities associated with this Permit, will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on- or off-site storm sewers, dry wells, or waterways. Such materials/waters must not be allowed to move off the property where the work is being completed.
- M. The driller and consultants (if applicable) shall have an active copy of their Worker's Compensation Insurance on file with District.
- N. This Permit shall expire if not exercised within 180 calendar days of its approval, unless an extension of the permit expiration date is granted by an authorized District representative.
- O. This permit must be kept on-site during the completion of all activities associated with it and shall immediately be presented to an authorized District representative upon request.

Special Conditions:

Community Projects Review Unit Approval: (if needed)

CPRU Permit No.:

Approved By:

Date:

6-22-05

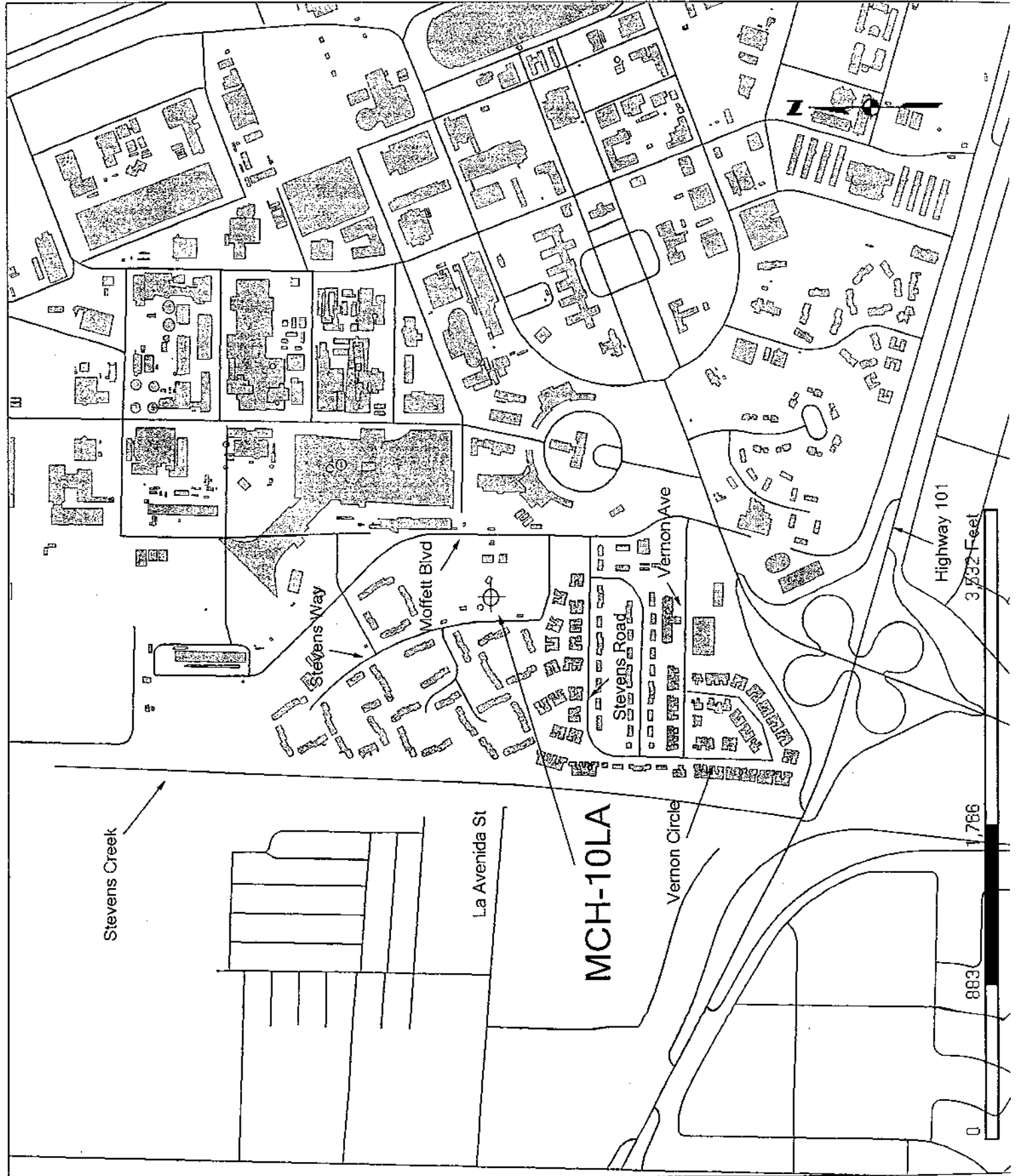
PLEASE ALLOW 10 WORKING DAYS TO PROCESS THIS APPLICATION

Orion
Park
Housing
Area

Legend

ROADS

BUDS



Orion Park Housing Area



APN: 11618008
Bayshore Pky
Mountain View CA
94043

Well Annotations- 985 Wells Selected

No	Well_nbr	Permit	Consultnum	Status	Easting	Northing
1	No Data	No Data	No Data	Other-Active	6109971	1976272
2	No Data	UNKNOWN	ERM-1	Undetermined	6111317	1974128
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15	No Data	UNKNOWN	14M2	Undetermined	6110071	1975695
16	No Data	UNKNOWN	W4-1	Undetermined	6113613	1979474
17	No Data	UNKNOWN	14(C)	Undetermined	6110989	1977376
18	No Data	UNKNOWN	WJ4-2	Undetermined	6110276	1973903
19	No Data	UNKNOWN	W4-11-P1	Undetermined	6114321	1979445
20	No Data	UNKNOWN	W4-4	Undetermined	6113771	1979258

- Wells.shp
- Water Supply - Active
 - Water Supply - Standby
 - Water Supply - Inactive
 - Extraction (Env) - Active
 - Extraction (Env) - Inactive
 - Other - Active
 - Other - Inactive
 - Abandoned
 - Destroyed
 - Status Undetermined
- Parcels.shp
- Fuel/leak.shp
- VALFLOOR.SHP
- Zone 1
 - Zone 2
 - Zone 3
 - Zone 4
 - Zone 5

Approximate Scale
250 0 250 500 Feet

(See attached sheet(s) for additional wells)

ORIGINAL
File with DWR

Page 1 of 1

Owner's Well No. MCH-1114A

No. e026442

Date Work Began 7-20-05 Ended 7-21-05

Local Permit Agency SCVWD

Permit No. 05W00395 Permit Date 6-22-05

STATE OF CALIFORNIA
WELL COMPLETION REPORT

Refer to Instruction Pamphlet

DWR USE ONLY — DO NOT FILL IN	
STATE WELL NO./STATION NO.	
LATITUDE	LONGITUDE
APN/TRS/OTHER	

GEOLOGIC LOG

ORIENTATION (✓) ☒ VERTICAL ☐ HORIZONTAL ☐ ANGLE (SPECIFY)

DRILLING METHOD HSA

FLUID N/A

DESCRIPTION

Describe material, grain size, color, etc.

SEE ATTACHED BORING LOG

WELL OWNER

Name U.S. Dept. of Navy

Mailing Address 1220 Pacific Highway

San Diego

CA 92132

CITY

STATE

ZIP

WELL LOCATION

Address Former NAS Moffett Field - Orion Park

City Moffett Field, CA

County Santa Clara

APN Book 116 Page 13 Parcel 008

Township 6S Range 2W Section 10

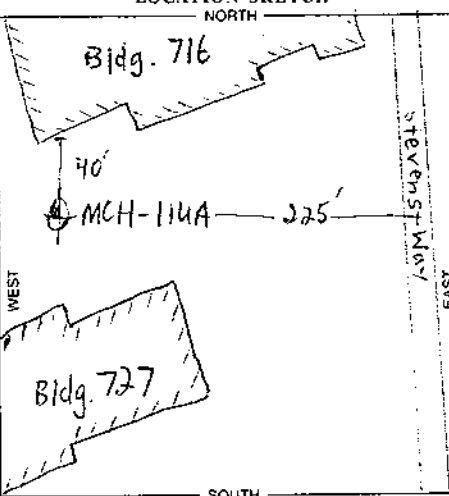
Latitude

Longitude

DEG. MIN. SEC.

DEG. MIN. SEC.

LOCATION SKETCH



ACTIVITY (✓)

☒ NEW WELL

MODIFICATION/REPAIR

Deepen

Other (Specify)

DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (✓)

WATER SUPPLY

Domestic Public

Irrigation Industrial

MONITORING ☒

TEST WELL

CATHODIC PROTECTION

HEAT EXCHANGE

DIRECT PUSH

INJECTION

VAPOR EXTRACTION

SPARGING

REMEDIATION

OTHER (SPECIFY)

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 12 (Feet) BELOW SURFACE

DEPTH OF STATIC WATER LEVEL 11.70 (Feet) & DATE MEASURED 8-2-05

ESTIMATED YIELD N/A (GPM) & TEST TYPE N/A

TEST LENGTH N/A (Hrs.) TOTAL DRAWDOWN N/A (Feet)

* May not be representative of a well's long-term yield.

DEPTH FROM SURFACE			CASEING (S)					DEPTH FROM SURFACE		ANNULAR MATERIAL			
Ft. to Ft.			TYPE (✓)		MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	Ft. to Ft.		TYPE		
			BLANK	SCREEN							CE- MENT (✓)	BEN- TONITE (✓)	FILTER PACK (TYPE/SIZE)
0	13	10	✓		PVC	4	SCH 40	N/A	0	9	✓		Portland
13	23	10		✓	PVC	4	SCH 40	0.010	9	11		✓	Pellets
									11	24		✓	#2/12 sand
									24	25		✓	Pellets

ATTACHMENTS (✓)

- ☒ Geologic Log
- ☒ Well Construction Diagram
- ☐ Geophysical Log(s)
- ☐ Soil/Water Chemical Analyses
- ☐ Other

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Tetra Tech EC, Inc.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS 1230 Columbia Street, Suite 500, San Diego, CA 92101

Base for West Hazmat

Signed

WELL OWNER/AUTHORIZED REPRESENTATIVE

CITY

STATE

ZIP

DATE SIGNED

8-29-05 819548

Santa Clara Valley
Water District

WELL CONSTRUCTION COMPLETION NOTICE

FCE 158A (07-12-04)

Inspector: <u>M. Clarke</u>	Date of Inspection: <u>7/2/05</u>	Permit: <u>05W00395</u>
Well Owner: <u>U.S. Navy</u>	Owner Well No.: <u>MEH-110A</u>	Well Registration No.: <u>06SC2W156010</u>
Address of Well Site: <u>Onton Park Housing Area</u>		
Drilling Company: <u>West Hazmat</u>		
Consultant: <u>Tetra Tech</u>		
Cond. Bore:	Conductor Depth:	Conductor Diameter
		TD: <u>24'</u>
Casing Diameter <u>4" PVC</u>	Slot Size: <u>010</u>	Screen Interval(s): <u>23'-13'</u>
Filter Pack Material: <u>242 Sand</u>	Filter Pack Interval(s): <u>24'-11'</u>	Bent: <u>11'-9"</u>
Sealing Material: <input checked="" type="checkbox"/> Neat Cement	<input type="checkbox"/> 10 Sack Sand Slurry	Drilling Method: <input checked="" type="checkbox"/> HSA
<input type="checkbox"/> Bentonite Slurry	<input type="checkbox"/> Other (See Comments)	<input type="checkbox"/> Direct Push
Well Type: <input checked="" type="checkbox"/> GW Monitoring	<input type="checkbox"/> GW Extraction	<input type="checkbox"/> Vadose Monitoring
<input type="checkbox"/> Domestic	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Industrial
Well constructed according to provisions of Santa Clara Valley Water District Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)		
Well Location: <u>646 N S. Stevens Rd.</u>	<u>714 N.E. 100' Moffett Blvd.</u>	
GPS Coordinates - Lat: <u>37 24 48.833 N</u>	Long: <u>122 03 59.079 W</u>	
Comments:		

Distribution: ORIGINAL-Permit File; YELLOW-City/County; PINK-Well File; GOLDENROD-Permittee

WELL CONSTRUCTION APPLICATION

FC 158 (12-16-02)

Page 1 of 2

TO BE COMPLETED BY DISTRICT		
District Permit No.: <u>05W00395</u>	Date Issued: <u>6-22-05</u>	Well Registration No.:
Geologic Setting: <u>01</u>	Expiration Date: <u>12-22-05</u>	Driller's Log No.: <u>026442</u>

TO BE COMPLETED BY OWNER AND DRILLER		
Well Owner: <u>U.S. Navy</u>	Property Owner: <u>U.S. Army</u>	Name of Business at Well Site: <u>Former NAS Moffett Field</u>
Well Owner's Mailing Address: <u>1220 Pacific Highway</u>	Property Owner's Mailing Address: <u>1335 J Street Apt: CESPK-RE-M</u>	Address of Well Site: <u>Orion Park Housing Area</u>
City, State, Zip: <u>San Diego, CA 92132</u>	City, State, Zip: <u>Sacramento, CA 95814</u>	City, State, Zip: <u>Moffett Field, CA 94035</u>
Telephone No. & Contact Name: <u>Rick Weissenborn 619-532-0952</u>	Telephone No. & Contact Name: <u>Mike Bain 916-557-6787</u>	Telephone No.:
Owner's/Consultant's Well No.: <u>MCH-11UA</u>	Assessor's Parcel Number of Well Site: Book: <u>116</u> Page: <u>18</u> Parcel: <u>008</u>	
Consultant (Company): <u>Tetra Tech FW, Inc.</u>	Drilling Company: <u>West Hazmat</u>	
Address: <u>1230 Columbia Street, Suite 500</u>	Address: <u>1016 East Katella Avenue</u>	
City, State, Zip: <u>San Diego, CA 92101</u>	City, State, Zip: <u>Anaheim, CA 92805</u>	
Telephone No.: <u>619-471-3525</u>	Telephone No.: <u>714-939-6850</u>	C-57 License No.: <u>819548</u>
<input type="checkbox"/> Check if address or phone number has changed		<input type="checkbox"/> Check if address or phone number has changed

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS	
CASE NAME: <u>Former NAS Moffett Field</u>	
Oversight Agency: <u>EPA/RWACB</u>	If under S.C.V.W.D. oversight, list Case Number(s):
Type of monitoring device: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	<u>Dennis Goldman</u> Signature of Responsible Professional (No substitution of signature will be accepted) <u>Dennis Goldman</u> Print Name <u>#4509</u> Registration No. Civil Engineer OR Registration No. Geologist
Type of extraction device: <input type="checkbox"/> Groundwater <input type="checkbox"/> Vadose	
Monitoring well use: <input type="checkbox"/> Depth <input checked="" type="checkbox"/> Quality <input type="checkbox"/> Chloride	
Nested Well: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Note: If Nested Well is proposed, a separate permit is needed for each casing.	

Estimated Depth of Completed Well: <input checked="" type="checkbox"/> Less than 50 ft. <input type="checkbox"/> 50 to 300 ft. <input type="checkbox"/> Over 300 ft. <input type="checkbox"/> Other: _____
Purpose of Well: <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Agricultural <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Cathodic Protection <input type="checkbox"/> Other: _____
*Monitoring wells are those constructed for the purpose of obtaining repetitive water level measurements and/or repetitive air samples for analysis.
Well is to be Constructed: <input type="checkbox"/> In a public sidewalk <input type="checkbox"/> In a public road <input type="checkbox"/> On public property <input checked="" type="checkbox"/> On private property <input type="checkbox"/> On SCVWD property*
Within 50 ft. of the top of a creek: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 50 ft. of any existing well: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 50 ft. of sanitary sewer: <input type="checkbox"/> Yes <input type="checkbox"/> No
Within 150 ft. of a cesspool or seepage pit: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Other wells exist on this property? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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<u>Leslie Tornatore</u> Signature of Property Owner/Agent <u>6/9/05</u> Date	<u>Leslie Tornatore</u> Acting Chief, Real Estate Division Print Name of Property Owner/Agent	
<u>Wilson Dorton</u> Signature of Well Owner/Agent <u>6/6/05</u> Date	<u>Wilson Dorton</u> Print Name of Well Owner/Agent	
<u>Bryce Bartelma</u> Signature of Well Driller/Agent <u>6-6-05</u> Date	<u>BRYCE BARTEMA</u> Print Name of Driller/Agent	

IMPORTANT: A minimum 24-hour notice must be given to the SCVWD prior to installing the annular seal. Call (408) 265-2607 Ext. 2660. For weekdays 9:00 a.m. to 5:00 p.m. or after hours call (408) 265-2607 Ext. 2120.

RECEIVED
JUN 13 2005

DISTRICT WELL PERMIT NO.: 05W00395

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COUNTY OF SANTA CLARA DEPARTMENT OF ENVIRONMENTAL HEALTH APPROVAL

Domestic Water Supply Wells Only (Note: D. E. H. Approval must be granted before this application will be accepted by S.C.V.W.D.)

Date: _____ Approved By: _____, R.E.H.S.

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A SITE PLAN MUST BE ATTACHED TO THIS APPLICATION

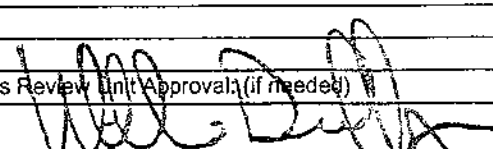
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Community Projects Review Unit Approval (if needed)	CPRU Permit No.:
Approved By: 	Date: <u>6-22-05</u>

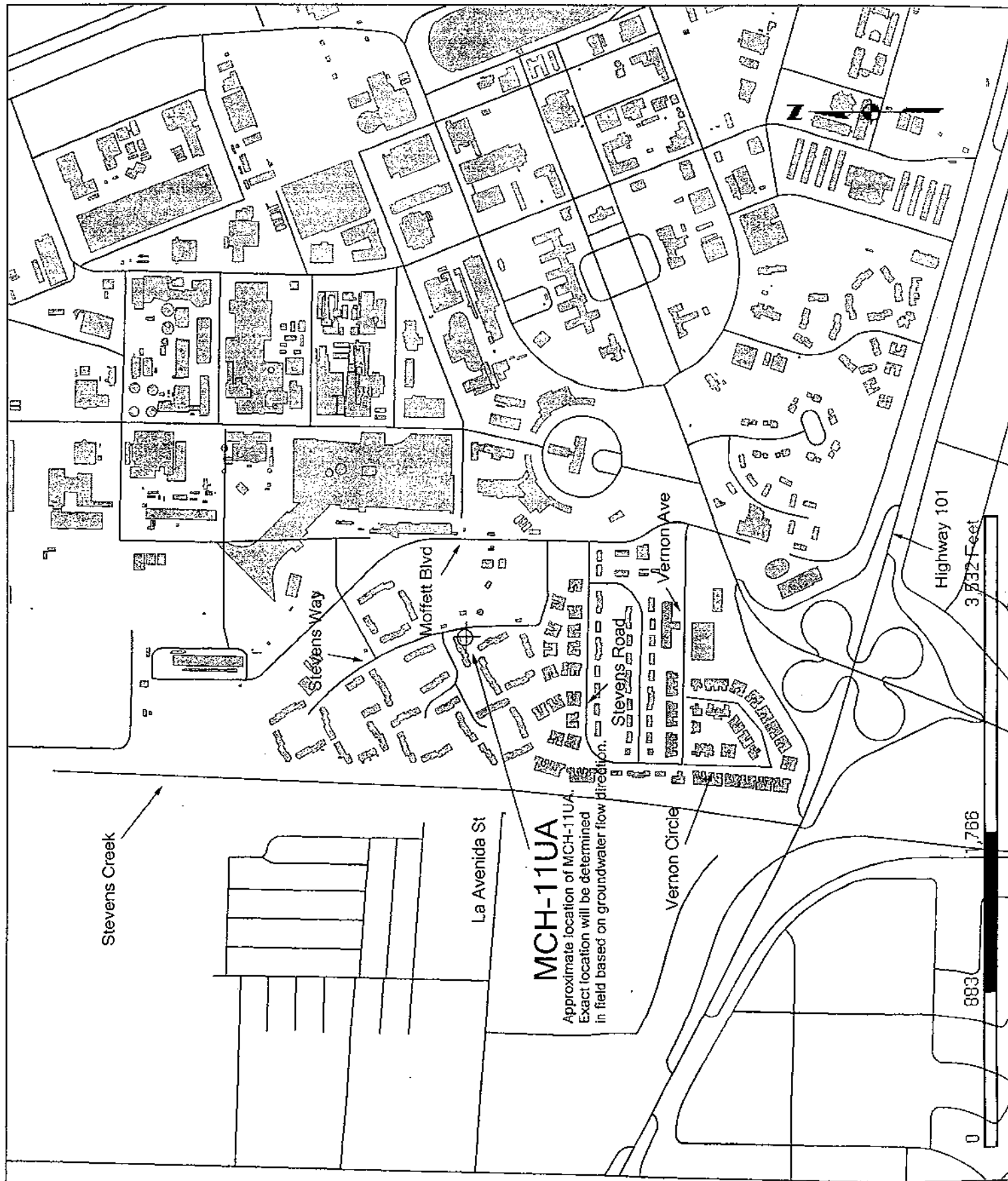
PLEASE ALLOW 10 WORKING DAYS TO PROCESS THIS APPLICATION

Orion Park Housing Area

Legend

ROADS

BLDGS



MCH-11UA

Approximate location of MCH-11UA.
Exact location will be determined
in field based on groundwater flow direction.

Orion Park Housing Area



Well Annotations- 985 Wells Selected

APN: 11618008
Bayshore Pky
Mountain View CA
94043

No	Well_nbr	Permit	Consultnum	Status	Easting	Northing
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15	No Data	UNKNOWN	14M2	Undetermined	6110071	1975695
16	No Data	UNKNOWN	W4-1	Undetermined	6113613	1979474
17	No Data	UNKNOWN	14(C)	Undetermined	6110989	1977376
18	No Data	UNKNOWN	WU4-2	Undetermined	6110276	1973903
19	No Data	UNKNOWN	W4-11-P1	Undetermined	6114321	1979445
20	No Data	UNKNOWN	W4-4	Undetermined	6113771	1979258

(See attached sheet(s) for additional wells)

- Wells.shp
- Water Supply - Active
 - Water Supply - Standby
 - Water Supply - Inactive
 - Extraction (Env) - Active
 - Extraction (Env) - Inactive
 - Other - Active
 - Other - Inactive
 - Abandoned
 - Destroyed
 - Status Undetermined
- Parcels.shp
- Fuel/leak.shp
- VALFLOOR.SHP
- Zone 1
 - Zone 2
 - Zone 3
 - Zone 4
 - Zone 5

Approximate Scale

250 0 250 500 Feet

TETRA TECH EC, INC.

LOG OF BORING MCH-10LA

(Sheet 1 of 3)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in. 0-48.6 Ft.

Geologist: P. Weston

Northing: 1,976,738.20 Feet (NAD 83; NAVD 88)

Date Started: July 21, 2005

Easting: 6,107,085.90 Feet (NAD 83; NAVD 88)

Date Completed: July 21, 2005

Ground Surface Elevation: 23.10 Feet amsl

Total Depth: 48.6 Feet bgs

Top of Casing Elevation: 22.71 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
0			12" EMCO Wheaton flushmount with 15/16" bolts set in 2' round concrete pad.		ML		0 to 3 ft. SILT: black (5Y 2.5/2), moist, 90% fines with medium plasticity, 10% fine sand, roots	
5			← Concrete		ML/CL		3 to 4 ft. SILT AND CLAY: olive gray (5Y 5/2), moist, 90% fines with medium to high plasticity, 10% fine sand	20
			← Grout (95% cement 5% bentonite)		CL		4 to 13 ft. CLAY: dark gray (10YR 4/1), moist, 90% fines with high plasticity, 10% fine sand	15
10			← 4" Schedule 40 PVC Blank Casing					
15					SP-SM		13 to 15 ft. POORLY GRADED SAND WITH SILT: black (5Y 2.5/1), wet, 85% fine to medium subrounded to rounded sand, 10% non-plastic fines, 5% fine subrounded to rounded gravel	10
					ML		15 to 16 ft. SILT: dark bluish gray (2 GLEY 4/5B), wet, 90% fines with low to medium plasticity, 10% fine sand	
					SP-SM		16 to 17 ft. POORLY GRADED SAND WITH SILT: dark bluish gray (2 GLEY 4/5B), wet, 90% fine to medium sand, 10% non-plastic fines, trace gravel	
					ML		17 to 18 ft. SILT: dark bluish gray (2 GLEY 4/5B), wet, 90% fines with low plasticity, 10% fine sand	5
					SP-SM		18 to 19 ft. POORLY GRADED SAND WITH SILT: dark bluish gray (2 GLEY 4/5B), wet, 90% fine to medium sand, 10% non-plastic fines, trace gravel	
20					ML		19 to 20.5 ft. SILT: dark bluish gray (2 GLEY 4/5B), moist to wet, 90% fines with medium plasticity, 10% fine to coarse sand, trace fine gravel	
					SM		20.5 to 21.5 ft. SANDY SILT: olive (5Y 4/3), moist to wet, 50% fines with low plasticity, 40% fine to coarse subangular sand, 10% fine subangular gravel	0
					GM		21.5 to 22 ft. SILTY SAND: olive brown (2.5Y 4/4), wet, 80% fine to coarse subrounded sand, 20% non-plastic fines	
					SP-SM			

Notes: Boring Log Reviewed By: D. Goldman 8/31/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-10LA (Sheet 2 of 3)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in. 0-48.6 Ft.

Geologist: P. Weston

Northing: 1,976,738.20 Feet (NAD 83; NAVD 88)

Date Started: July 21, 2005

Easting: 6,107,085.90 Feet (NAD 83; NAVD 88)

Date Completed: July 21, 2005

Ground Surface Elevation: 23.10 Feet amsl

Total Depth: 48.6 Feet bgs

Top of Casing Elevation: 22.71 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
30					SP-SM		22 to 24 ft. SILTY GRAVEL WITH SAND: olive brown (2.5Y 4/4), wet, 40% fine to coarse subrounded gravel, 30% fine to coarse subrounded sand, 30% non-plastic fines, potentially slough	
					GW-GM		24 to 26.5 ft. POORLY GRADED SAND WITH SILT: olive brown (2.5Y 4.3), wet, 90% medium sand, 10% non-plastic fines	-5
					SW-SM		26.5 to 29 ft. WELL GRADED GRAVEL WITH SILT AND SAND: olive brown (2.5Y 4/3), wet, 60% fine subangular to subrounded gravel, 30% fine to coarse subangular to subrounded sand, 10% non-plastic fines	
					ML		29 to 30.5 ft. WELL GRADED SAND WITH SILT: very dark grayish brown (10YR 3/2), wet, 85% fine to coarse subangular to subrounded sand, 10% non-plastic fines, 5% fine subangular to subrounded gravel	-10
					SM		30.5 to 33.5 ft. SILT: dark yellowish brown (10YR 4/6), moist, 95% fines with medium plasticity, 5% fine sand	
35					SP-SM		33.5 to 34 ft. SILTY SAND: dark yellowish brown (10YR 4/4), moist, 60% fine to coarse subrounded sand, 30% non-plastic fines, 10% fine gravel	
					GW-GM		34 to 35 ft. POORLY GRADED SAND WITH SILT: very dark gray (10YR 3/1), wet, 90% fine to coarse subrounded to rounded sand, 10% non-plastic fines, trace fine gravel	
					SW-SM		35 to 36.5 ft. WELL GRADED GRAVEL WITH SILT AND SAND: yellowish brown (10YR 5/4), wet, 50% fine to coarse subrounded to rounded gravel, 40% fine to coarse subrounded to rounded sand, 10% non-plastic fines	-15
					ML		36.5 to 37 ft. WELL GRADED SAND WITH SILT: yellowish brown (10YR 5/4), wet, 80% fine to coarse subangular to subrounded sand, 10% fine gravel, 10% non-plastic fines	
40					GM		37 to 37.5 ft. SILT: yellowish brown (10YR 5/4), moist, 90% non-plastic fines, 10% fine to coarse sand	
					SM		37.5 to 39 ft. SILTY GRAVEL WITH SAND: yellowish brown (10YR 5/4), wet, 55% fine to coarse subangular to subrounded gravel, 25% fine to coarse subangular to subrounded sand, 20% fines with low plasticity	-20
					SM		39 to 40 ft. SILTY SAND: very dark gray (7.5YR 3/1), wet, 80% fine to coarse subrounded sand, 20% non-plastic fines	
45					GM		40 to 44 ft. SILTY SAND WITH GRAVEL: very dark gray (7.5YR 3/1), wet, 50% fine to coarse subrounded to rounded sand, 30% fine to coarse subrounded to rounded gravel, 20% non-plastic fines	-25
					ML		44 to 45 ft. SILTY SAND: dark grayish brown (2.5Y 4/2), wet, 80% fine to medium sand, 20% non-plastic fines, calcareous nodules	

Notes: Boring Log Reviewed By: D. Goldman 8/31/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-10LA

(Sheet 3 of 3)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-48.6 Ft.

Geologist: P. Weston

Northing: 1,976,738.20 Feet (NAD 83; NAVD 88)

Date Started: July 21, 2005

Easting: 6,107,085.90 Feet (NAD 83; NAVD 88)

Date Completed: July 21, 2005

Ground Surface Elevation: 23.10 Feet amsl

Total Depth: 48.6 Feet bgs

Top of Casing Elevation: 22.71 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
55							45 to 46 ft. SILTY GRAVEL WITH SAND: light olive brown (2.5Y 5/3), wet, 60% fine to coarse subangular to subrounded gravel, 20% fine to coarse subangular to subrounded sand, 20% non-plastic fines 46 to 48.6 ft. SILT: greenish gray (1 GLEY 5/5GY), moist, 90% fines with low plasticity, 10% fine sand, trace calcareous nodules	-30
60								-35
65								-40
70								-45
								-50

Notes: Boring Log Reviewed By: D. Goldman 8/31/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-11UA (Sheet 1 of 2)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-25 Ft.

Geologist: P. Weston

Northing: 1,976,846.20 Feet (NAD 83; NAVD 88)

Date Started: July 20, 2005

Easting: 6,106,761.60 Feet (NAD 83; NAVD 88)

Date Completed: July 21, 2005

Ground Surface Elevation: 23.40 Feet amsl

Total Depth: 25.0 Feet bgs

Top of Casing Elevation: 26.17 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
0			5' steel standpipe (2 ft. bgs) in 2' x 2' concrete pad surrounded by 3 concrete filled bollards				0 to 6 ft. SANDY SILT: black (5Y 2.5/2), moist, 60% fines with low plasticity, 30% fine to coarse subangular sand, 10% fine to coarse gravel, roots	20
5			Concrete		ML			
			Grout (95% cement 5% bentonite)		ML		6 to 8 ft. SILT WITH GRAVEL: gray (5Y 5/1), moist, 75% fines with medium to high plasticity, 15% fine subangular to angular gravel, 10% fine to coarse subangular to angular sand, calcareous nodules	15
			4" Schedule 40 PVC Blank Casing		GW		8 to 10 ft. WELL GRADED GRAVEL: olive gray (5Y 4/2), moist, 85% fine to coarse subrounded gravel, 10% fine to coarse sand, 5% non-plastic fines	
10			Bentonite Seal		GW-GM		10 to 12.5 ft. WELL GRADED GRAVEL WITH SILT AND SAND: olive (5Y 4/3), moist, 60% fine to coarse rounded gravel, 30% fine to coarse rounded sand, 10% non-plastic fines	
			Filter Pack (#2/12 Sand)		GW-GM		12.5 to 15 ft. WELL GRADED GRAVEL WITH SILT: olive (5Y 4/3), 80% fine to coarse subrounded gravel, 10% fine to coarse subrounded sand, 10% non-plastic fines	10
15					SP-SM		15 to 17 ft. POORLY GRADED SAND WITH SILT: very dark gray (5Y3/1), wet, 90% fine to coarse subangular to subrounded sand, 10% non-plastic fines	
			4" Schedule 40 PVC 0.010 Wire-Wrapped Screen		GW-GM		17 to 20 ft. WELL GRADED GRAVEL WITH SILT: dark olive gray (5Y 3/2), wet, 80% fine to coarse subrounded to rounded gravel, 10% fine to coarse subrounded to rounded sand, 10% non-plastic fines	5
20					SM		20 to 21 ft. SILTY SAND: dark olive gray (5Y 3/2), wet, 75% fine to coarse subrounded sand, 20% fines with low plasticity, 5% fine gravel	
					SP-SM		21 to 22 ft. POORLY GRADED SAND WITH SILT: dark bluish gray (2 GLEY 4/10B), wet, 90% fine to coarse subrounded sand, 10% low to non-plastic fines	
			Bentonite		ML/CL		22 to 25 ft. SILT AND CLAY: dark bluish gray (2 GLEY 4/10B), moist to wet, 90% fines with medium to high plasticity, 10% fine to medium sand, trace calcareous	0

Notes: Boring Log Reviewed By: D. Goldman 8/31/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-11UA (Sheet 2 of 2)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-25 Ft.

Geologist: P. Weston

Northing: 1,976,846.20 Feet (NAD 83; NAVD 88)

Date Started: July 20, 2005

Easting: 6,106,761.60 Feet (NAD 83; NAVD 88)

Date Completed: July 21, 2005

Ground Surface Elevation: 23.40 Feet amsl

Total Depth: 25.0 Feet bgs

Top of Casing Elevation: 26.17 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
30							nodules	-5
35								-10
40								-15
45								-20
								-25

Notes: Boring Log Reviewed By: D. Goldman 8/31/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-1UA

(Sheet 1 of 1)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: N/A

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-25 Ft.

Geologist: B. Bartelma

Northing: 1,975,244.73 Feet (NAD 83; NAVD 88)

Date Started: July 13, 2005

Easting: 6,106,168.01 Feet (NAD 83; NAVD 88)

Date Completed: July 13, 2005

Ground Surface Elevation: 35.20 Feet amsl

Total Depth: 25.0 Feet bgs

Top of Casing Elevation: 34.73 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
5			12" EMCO Wheaton flushmount with 15/16" bolts set in 2' round concrete pad. ← Concrete				NO LOG OF BORING. Please see MCH-2LA for lithology.	30
			← Grout (95% cement 5% bentonite)					
			← 4" Schedule 40 PVC Blank Casing					
10			← Bentonite Seal					25
			← Filter Pack (#2/12 Sand)					
15								20
20			← 4" Schedule 40 PVC 0.010 Wire-Wrapped Screen					15

Notes: Boring Log Reviewed By: D. Goldman 8/30/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-2LA (Sheet 1 of 2)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-49 Ft.

Geologist: B. Bartelma

Northing: 1,975,245.19 Feet (NAD 83; NAVD 88)

Date Started: July 12, 2005

Easting: 6,106,162.48 Feet (NAD 83; NAVD 88)

Date Completed: July 13, 2005

Ground Surface Elevation: 35.20 Feet amsl

Total Depth: 49.0 Feet bgs

Top of Casing Elevation: 35.06 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
			12" EMCO Wheaton flushmount with 15/16" bolts set in 2' round concrete pad.		ML		0 to 2.5 ft. SILT: very dark gray (2.5Y 3/1), dry, 90% fines with low plasticity, 10% fine sand, roots	
			← Concrete		ML		2.5 to 4 ft. SILT WITH SAND: very dark gray (2.5Y 3/1), moist, 80% fines with low plasticity, 20% fine to coarse sand, roots	
5			← Grout (95% cement 5% bentonite)		SM		4 to 9 ft. SILTY SAND: dark grayish brown (2.5Y 4/2), moist, 60% fine to coarse sand, 30% non-plastic fines, 10% fine gravel, poor recovery	30
10			← 4" Schedule 40 PVC Blank Casing		ML		9 to 14 ft. SILT WITH SAND: olive (5Y 4/3), moist, 85% fines with medium plasticity, 15% fine to coarse sand	25
15					SW-SM		14 to 19 ft. WELL GRADED SAND WITH SILT: dark olive gray (5Y 3/2), moist to wet, 80% fine to coarse sand, 10% fine to coarse subangular gravel, 10% non-plastic fines	20
20					SW-SM		19 to 24 ft. WELL GRADED SAND WITH SILT AND GRAVEL: dark olive gray (5Y 3/2), wet, 75% fine to coarse sand, 15% fine to coarse subangular gravel, 10% non-plastic fines, poor recovery/potential slough	15
							24 to 29 ft. NO RECOVERY	

Notes: Boring Log Reviewed By: D. Goldman 8/30/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-2LA (Sheet 2 of 2)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-49 Ft.

Geologist: B. Bartelma

Northing: 1,975,245.19 Feet (NAD 83; NAVD 88)

Date Started: July 12, 2005

Easting: 6,106,162.48 Feet (NAD 83; NAVD 88)

Date Completed: July 13, 2005

Ground Surface Elevation: 35.20 Feet amsl

Total Depth: 49.0 Feet bgs

Top of Casing Elevation: 35.06 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
30			<p>← Bentonite Seal</p> <p>← Filter Pack (#2/12 sand)</p> <p>← Centralizer</p> <p>← 4" Schedule 40 PVC 0.010 Wire-Wrapped Screen</p> <p>← Centralizer</p> <p>← Slough</p>		ML SM		<p>29 to 29.5 ft. SILT WITH SAND: dark bluish gray (2 GLEY 4/5B), moist, 75% non-plastic fines, 25% fine to coarse sand</p> <p>29.5 to 30 ft. SILTY SAND: dark bluish gray (2 GLEY 4/5B), wet, 70% fine to coarse sand, 30% non-plastic fines, trace of fine subrounded gravel</p> <p>30 to 44 ft. WELL GRADED SAND WITH SILT: olive gray (5Y 4/2), wet, 85% fine to coarse sand, 10% non-plastic fines, 5% fine to coarse subrounded gravel, poor recovery, 39 to 44 feet potential slough</p>	5
35					SW-SM			0
40								-5
45					ML/CL		44 to 47 ft. SILT AND CLAY: dark bluish gray (2 GLEY 4/5B), moist, 90% fines with medium to high plasticity, 10% fine sand	-10
					ML		47 to 49 ft. SANDY SILT: dark bluish gray (2 GLEY 4/5B), moist, 70% fines with low plasticity, 30% fine to medium sand	

Notes: Boring Log Reviewed By: D. Goldman 8/30/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-3UA

(Sheet 1 of 2)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-24.5 Ft.

Geologist: B. Bartelma

Northing: 1,975,330.60 Feet (NAD 83; NAVD 88)

Date Started: July 12, 2005

Easting: 6,106,717.53 Feet (NAD 83; NAVD 88)

Date Completed: July 12, 2005

Ground Surface Elevation: 31.60 Feet amsl

Total Depth: 24.5 Feet bgs

Top of Casing Elevation: 34.34 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
			5' steel standpipe (2 ft. bgs) in 2' x 2' concrete pad surrounded by 3 concrete filled bollards		ML		0 to 3 ft. SILT: black (2.5Y 2/1), dry, 90% fines with low plasticity, 10% fine sand, roots	30
5			Concrete		ML		3 to 8 ft. SILT WITH SAND: dark grayish brown (2.5Y 4/2), moist, 80% fines with low plasticity, 20% fine sand, trace of roots	25
			Grout (95% cement 5% bentonite)					
			4" Schedule 40 PVC blank casing					
10			Bentonite Seal		ML/CL		8 to 10.5 ft. SILT AND CLAY WITH SAND: very dark grayish brown (2.5Y 3/2), moist, 80% fines with medium to high plasticity, 20% fine sand	
			Filter Pack (#2/12 sand)		CL		10.5 to 11.5 ft. CLAY: black (2.5Y 2.5/1), moist, 90% fines with high plasticity, 10% fine sand	20
					CL		11.5 to 13.5 ft. SANDY CLAY: olive brown (2.5Y 4/3), moist, 70% fines with high plasticity, 30% fine to coarse sand	
15					SM CL		13.5 to 14 ft. SILTY SAND: olive brown (2.5Y 4/3), moist, 55% fine to coarse sand, 40% low to non-plastic fines, 5% fine to coarse subrounded gravel	
					SW-SM		14 to 14.5 ft. CLAY: very dark gray (2.5Y 3/1), moist, 90% fines with high plasticity, 10% fine sand	15
							14.5 to 18.5 ft. WELL GRADED SAND WITH SILT: very dark grayish brown (2.5Y 3/2), wet, 80% fine to coarse sand, 10% fine to coarse subangular to subrounded gravel, 10% non-plastic fines	
20			4" Schedule 40 PVC 0.010 Wire-Wrapped Screen				18.5 to 20 ft. NO RECOVERY	
					SW-SM		20 to 22.5 ft. WELL GRADED SAND WITH SILT: very dark grayish brown (2.5Y 3/2), wet, 90% fine to coarse subrounded sand, 10% non-plastic fines, trace of fine gravel	10
					CL		22.5 to 23.5 ft. CLAY: very dark gray (2.4Y 3/1), moist, 90% fines with high plasticity, 10% fine sand	
					ML		23.5 to 24.5 ft. SANDY SILT: very dark gray (2.4Y 3/1), moist, 70% fines with low plasticity, 30% fine sand, trace of	

Notes: Boring Log Reviewed By: D. Goldman 8/30/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-3UA (Sheet 2 of 2)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-24.5 Ft.

Geologist: B. Bartelma

Northing: 1,975,330.60 Feet (NAD 83; NAVD 88)

Date Started: July 12, 2005

Easting: 6,106,717.53 Feet (NAD 83; NAVD 88)

Date Completed: July 12, 2005

Ground Surface Elevation: 31.60 Feet amsl

Total Depth: 24.5 Feet bgs

Top of Casing Elevation: 34.34 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
30							calcareous nodules	5
35								0
40								-5
45								-10
								-15

Notes: Boring Log Reviewed By: D. Goldman 8/30/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-4LA (Sheet 1 of 2)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-49 Ft.

Geologist: P. Weston

Northing: 1,975,404.30 Feet (NAD 83; NAVD 88)

Date Started: July 18, 2005

Easting: 6,106,977.50 Feet (NAD 83; NAVD 88)

Date Completed: July 18, 2005

Ground Surface Elevation: 30.40 Feet amsl

Total Depth: 49.0 Feet bgs

Top of Casing Elevation: 33.13 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
			5' steel standpipe (2 ft. bgs) in 2' x 2' concrete pad surrounded by 3 concrete filled bollards		ML		0 to 3 ft. SILT: greenish black (1 GLEY 2.5/5G), dry, 90% non-plastic fines, 10% fine to medium sand, roots	30
			Concrete		ML		3 to 5 ft. SILT: reddish black (10R 2.5/1), dry, 90% non-plastic fines, 10% fine to medium sand, roots	
5			Grout (95% cement 5% bentonite)				5 to 9 ft. NO RECOVERY	25
			4" Schedule 40 PVC Blank Casing					
10					CL/ML		9 to 18 ft. CLAY AND SILT WITH SAND: reddish brown (5YR 4/3), moist, 85% fines with medium to high plasticity, 15% fine sand, trace roots	20
15								15
20					SM		18 to 19.5 ft. SILTY SAND: dark bluish gray (2 GLEY 3/5B), moist, 70% fine sand, 30% fines with medium plasticity	
					CL		19.5 to 23 ft. GRAVELLY CLAY: dark bluish gray (2 GLEY 4/5B), moist, 70% fines with high plasticity, 20% fine to coarse subrounded gravel, 10% fine sand	10
					SP-SM		23 to 24 ft. POORLY GRADED SAND WITH SILT: dark bluish gray (2 GLEY 4/5B), moist, 90% fine sand, 10% non-plastic fines	
					CL			

Notes: Boring Log Reviewed By: D. Goldman 8/30/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-4LA

(Sheet 2 of 2)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in. 0-49 Ft.

Geologist: P. Weston

Northing: 1,975,404.30 Feet (NAD 83; NAVD 88)

Date Started: July 18, 2005

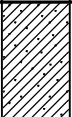

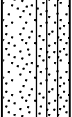

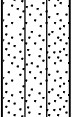




Easting: 6,106,977.50 Feet (NAD 83; NAVD 88)

Date Completed: July 18, 2005

Ground Surface Elevation: 30.40 Feet amsl

Total Depth: 49.0 Feet bgs

Top of Casing Elevation: 33.13 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
30					CL		24 to 28 ft. CLAY WITH SAND: dark bluish gray (2 GLEY 4/5B), moist, 80% fines with high plasticity, 20% fine to coarse sand	5
					SP-SM		28 to 33 ft. POORLY GRADED SAND WITH SILT: dark bluish gray (2 GLEY 4/5B), wet, 90% fine to coarse sand, 10% non-plastic fines, poor recovery	0
35					SM		33 to 38.5 ft. SILTY SAND: olive (5Y 4/3), wet, 55% fine to coarse subangular sand, 45% fines with low to medium plasticity, poor recovery	-5
40					SW-SC		38.5 to 39 ft. WELL GRADED SAND WITH SILT AND GRAVEL: brown (10YR 4/3), wet, 70% fine to coarse sand, 20% fine subangular gravel, 10% non-plastic fines, poor recovery	-10
					CL		39 to 43.5 ft. GRAVELLY CLAY: light olive gray (5Y 6/2), wet, 80% fines with high plasticity, 20% fine to coarse angular gravel, abundant calcareous nodules	
45					SP-SM		43.5 to 44 ft. POORLY GRADED SAND WITH SILT: olive (5Y 4/3), wet, 90% fine to coarse sand, 10% non-plastic fines	-15
					ML		44 to 45.5 ft. SILT: olive brown (2.5Y 4/3), moist, 90% fines with medium plasticity, 10% fine to coarse sand	
					ML		45.5 to 47 ft. SANDY SILT: olive brown (2.5Y 4/3), moist to wet, 70% fines with low plasticity, 30% fine to coarse sand, trace fine subrounded to subangular gravel	
					ML		47 to 49 ft. SILT: olive (5Y 4/3), moist, 90% fines with low to medium plasticity, 10% fine to coarse sand, trace fine subangular to subrounded gravel, calcareous nodules	

Notes: Boring Log Reviewed By: D. Goldman 8/30/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-5UA

(Sheet 1 of 2)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-29 Ft.

Geologist: B. Bartelma

Northing: 1,976,246.48 Feet (NAD 83; NAVD 88)

Date Started: July 11, 2005

Easting: 6,107,327.72 Feet (NAD 83; NAVD 88)

Date Completed: July 12, 2005

Ground Surface Elevation: 24.70 Feet amsl

Total Depth: 29.0 Feet bgs

Top of Casing Elevation: 27.33 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
			5' steel standpipe (2 ft. bgs) in 2' x 2' concrete pad surrounded by 3 concrete filled bollards				0 to 4.5 ft. SILT: black (2.5Y 2.5/1), dry, 90% fines with medium plasticity, 10% fine sand	
			Concrete		ML			
5			Grout (95% cement 5% bentonite)		ML		4.5 to 5 ft. SILT WITH SAND: dark grayish brown (2.5Y 4/2), moist, 80% fines with medium plasticity, 20% fine sand, trace roots	20
			4" Schedule 40 PVC Blank Casing		CL		5 to 8 ft. CLAY: very dark gray (2.5Y 3/1), moist, 90% fines with high plasticity, 10% fine to medium sand, trace calcareous nodules	
10			Bentonite Seal		CL		8 to 12 ft. CLAY WITH SAND: dark grayish brown (2.5Y 4/2), moist, 80% fines with high plasticity, 20% fine to medium subangular sand	15
			Filter Pack (#2/12 Sand)		SM		12 to 13 ft. SILTY SAND: dark greenish gray (2 GLEY 4/5BG), wet, 50% fine to coarse subrounded sand, 50% non-plastic fines, trace gravel	
15					CL		13 to 14 ft. CLAY WITH SAND: dark greenish gray (2 GLEY 4/5BG), moist, 80% fines with high plasticity, 20% fine to coarse sand	10
					SM		14 to 15 ft. SILTY SAND: very dark gray (2.5Y 3/1), wet, 80% fine sand, 20% non-plastic fines	
					ML		15 to 15.5 ft. SILT: very dark gray (2.5Y 3/1), moist, 90% non-plastic fines, 10% fine sand	
					CL		15.5 to 16 ft. SILTY SAND: very dark gray (2.5Y 3/1), wet, 70% fine to medium sand, 30% non-plastic fines	
20			4" Schedule 40 PVC 0.010 Wire-Wrapped Screen		ML		16 to 17 ft. CLAY: very dark gray (2.5Y 3/1), moist, 90% fines with high plasticity, 10% fine to coarse sand	5
					SW-SM		17 to 19 ft. SANDY SILT: very dark gray (2.5Y 3/1), wet, 70% non-plastic fines, 30% fine sand	
					ML/CL		19 to 21 ft. WELL GRADED SAND WITH SILT: very dark grayish brown (2.5Y 3/2), wet, 80% fine to coarse subrounded sand, 10% non-plastic fines, 10% fine subrounded gravel	
					SW-SM		21 to 21.5 ft. SILT AND CLAY: olive brown (2.5Y 4/3), moist, 90% fines with medium to high plasticity, 10% fine sand	
					ML/CL		21.5 to 23 ft. WELL GRADED SAND WITH SILT: olive	0

Notes: Boring Log Reviewed By: D. Goldman 8/31/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-5UA

(Sheet 2 of 2)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-29 Ft.

Geologist: B. Bartelma

Northing: 1,976,246.48 Feet (NAD 83; NAVD 88)

Date Started: July 11, 2005




Easting: 6,107,327.72 Feet (NAD 83; NAVD 88)

Date Completed: July 12, 2005

Ground Surface Elevation: 24.70 Feet amsl

Total Depth: 29.0 Feet bgs

Top of Casing Elevation: 27.33 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
30			← Slough		ML		brown (2.5Y 4/3), wet, 80% fine to coarse subrounded sand, 10% non-plastic fines, 10% fine subrounded gravel, potential slough 23 to 23.5 ft. SILT AND CLAY: very dark grayish brown (2.5Y 3/2), moist, 90% fines with medium to high plasticity, 10% fine to medium sand	-5
					SP		23.5 to 24.5 ft. WELL GRADED SAND WITH SILT: olive brown (2.5Y 4/3), wet, 80% fine to coarse subrounded sand, 10% non-plastic fines, 10% fine subrounded gravel, potential slough 24.5 to 25 ft. SILT AND CLAY: very dark grayish brown (2.5Y 3/2), moist, 90% fines with medium to high plasticity, 10% fine sand 25 to 28 ft. SANDY SILT: very dark grayish brown (2.5Y 3/2), moist, 70% non-plastic fines, 25% fine to coarse sand, 5% fine gravel 28 to 29 ft. POORLY GRADED SAND: very dark grayish brown (2.5Y 3/2), wet, 95% fine to coarse subangular to subrounded sand, 5% fine subangular to subrounded gravel, trace of non-plastic fines	-10
35								-15
40								-20
45								-25

Notes: Boring Log Reviewed By: D. Goldman 8/31/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-6LA

(Sheet 1 of 3)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in. 0-54 Ft.

Geologist: P. Weston

Northing: 1,976,130.70 Feet (NAD 83; NAVD 88)

Date Started: July 19, 2005

Easting: 6,106,188.50 Feet (NAD 83; NAVD 88)

Date Completed: July 19, 2005

Ground Surface Elevation: 27.80 Feet amsl

Total Depth: 54.0 Feet bgs

Top of Casing Elevation: 30.40 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
5			5' steel standpipe (2 ft. bgs) in 2' x 2' concrete pad surrounded by 3 concrete filled bollards Concrete		ML		0 to 4 ft. SANDY SILT: dark brown (10YR 3/3), moist, 50% fines with low plasticity, 40% fine to coarse subrounded sand, 10% fine subrounded gravel, trace roots	25
			Grout (95% cement 5% bentonite)		ML		4 to 8 ft. SILT: dark gray (5Y 4/1), moist, 90% fines with low to medium plasticity, 10% fine sand, trace gravel	
10			4" Schedule 40 PVC Blank Casing		ML		8 to 10 ft. GRAVELLY SILT: pale olive (5Y 6/3), moist, 65% fines with low plasticity, 30% fine to coarse subrounded gravel, 5% fine to coarse subrounded sand	20
					ML		10 to 11.5 ft. SANDY SILT: olive gray (5Y 4/2), moist, 70% fine with low to medium plasticity, 20% fine to coarse subrounded sand, 10% fine subrounded gravel, trace roots	
					CL		11.5 to 12.5 ft. CLAY: olive gray (5Y 4/2), moist, 90% fines with high plasticity, 10% fine sand	15
15					ML		12.5 to 15 ft. SANDY SILT: olive (5Y 4/3), moist, 60% fines with low plasticity, 35% fine to coarse subangular sand, 5% fine gravel, trace roots	
					SM		15 to 17.5 ft. SILTY SAND: olive gray (5Y 4/2), moist, 60% fine sand, 40% fines with low plasticity, trace gravel	
					GM		17.5 to 19 ft. SILTY GRAVEL WITH SAND: olive (5Y 4/3), wet, 50% fine gravel, 25% fine to coarse sand, 25% fines with low to medium plasticity	10
20					SM		19 to 20 ft. SILTY SAND: dark bluish gray (2 GLEY 3/10B), moist, 50% fine sand, 50% low to non-plastic fines	
					SP-SM		20 to 20.5 ft. POORLY GRADED SAND WITH SILT: dark bluish gray (2 GLEY 3/10B), wet, 90% fine sand, 10% non-plastic fines	
					ML		20.5 to 23.5 ft. SILT: dark bluish gray (2 GLEY 3/10B), moist, 90% fines with low to medium plasticity, 10% fine sand	5
					ML		23.5 to 24 ft. SANDY SILT: dark bluish gray (2 GLEY 3/10B), moist, 60% fines with low to medium plasticity, 40%	
					SM			

Notes: Boring Log Reviewed By: D. Goldman 8/31/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-6LA

(Sheet 2 of 3)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in. 0-54 Ft.

Geologist: P. Weston

Northing: 1,976,130.70 Feet (NAD 83; NAVD 88)

Date Started: July 19, 2005

Easting: 6,106,188.50 Feet (NAD 83; NAVD 88)

Date Completed: July 19, 2005

Ground Surface Elevation: 27.80 Feet amsl

Total Depth: 54.0 Feet bgs

Top of Casing Elevation: 30.40 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
30					ML		fine to coarse sand, trace gravel 24 to 25.5 ft. SILTY SAND: dark bluish gray (2 GLEY 3/10B), wet, 70% fine to coarse sand, 30% low to non-plastic fines, trace gravel	0
					SM		25.5 to 27.5 ft. SANDY SILT: dark bluish gray (2 GLEY 3/10B), wet, 70% fines with medium plasticity, 30% fine to coarse sand, trace fine gravel	
					GM		27.5 to 29 ft. SILTY SAND WITH GRAVEL: dark bluish gray (2 GLEY 3/10B), wet, 40% fine to coarse sand, 30% fines with low plasticity, 30% fine rounded gravel, trace calcareous nodules	
					ML		29 to 29.5 ft. SILTY GRAVEL WITH SAND: dark bluish gray (2 GLEY 3/10B), wet, 70% fine subrounded to rounded gravel, 15% fine to coarse sand, 15% non-plastic fines	-5
					SM		29.5 to 33 ft. SANDY SILT: very dark gray (5Y 3/1), moist, 70% fines with low plasticity, 30% fine sand	
					ML		33 to 34.5 ft. SILTY SAND: very dark gray (5Y 3/1), moist, 85% fine to medium sand, 15% non-plastic fines	
					ML		34.5 to 37 ft. SILT: dark greenish gray (2 GLEY 4/10BG), moist, 90% fines with medium plasticity, 10% fine sand	
					ML/CL		37 to 40 ft. SILT AND CLAY: bluish gray (2 GLEY 6/5B), moist, 90% fines with medium to high plasticity, 10% fine to coarse sand, trace calcareous nodules	-10
					SP-SM		40 to 44 ft. POORLY GRADED SAND WITH SILT: dark bluish gray (2 GLEY 4/5B), wet, 90% fine to medium sand, 10% non-plastic fines	-15
					SM		44 to 45 ft. SILTY SAND: dark gray (5Y 4/1), wet, 80% fine to coarse sand, 20% non-plastic fine, trace calcareous nodules	
					ML		45 to 47 ft. SILT WITH SAND: dark gray (5Y 4/1), moist, 80% fines with low plasticity, 20% fine to coarse sand	
					SM		47 to 47.5 ft. SILTY SAND: dark gray (5Y 4/1), wet, 80% fine to coarse sand, 20% non-plastic fines, trace gravel, trace calcareous nodules	-20
					ML		47.5 to 49 ft. SILT WITH SAND: dark gray (5Y 4/1), moist, 80% fines with medium plasticity, 10% fine to coarse	
					SM			

← Bentonite Seal

← Filter Pack (#2/12 Sand)

← Centralizer

← 4" Schedule 40 PVC 0.010 Wire-Wrapped Screen

Notes: Boring Log Reviewed By: D. Goldman 8/31/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-6LA

(Sheet 3 of 3)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-54 Ft.

Geologist: P. Weston

Northing: 1,976,130.70 Feet (NAD 83; NAVD 88)

Date Started: July 19, 2005



Easting: 6,106,188.50 Feet (NAD 83; NAVD 88)

Date Completed: July 19, 2005

Ground Surface Elevation: 27.80 Feet amsl

Total Depth: 54.0 Feet bgs

Top of Casing Elevation: 30.40 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
55			Centralizer Bentonite		ML		subangular sand, 10% fine gravel 49 to 49.5 ft. SILTY SAND: dark yellowish brown (10YR 4/4), wet, 70% fine to medium sand, 30% fines with low to medium plasticity 49.5 to 54 ft. SILT: dark yellowish brown (10YR 4/4), moist, 90% fines with low plasticity, 10% fine sand, trace subangular to subrounded gravel	-25
60								-30
65								-35
70								-40
								-45

Notes: Boring Log Reviewed By: D. Goldman 8/31/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-7UA (Sheet 1 of 1)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: N/A

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-21 Ft.

Geologist: B. Bartelma

Northing: 1,976,441.73 Feet (NAD 83; NAVD 88)

Date Started: July 14, 2005

Easting: 6,106,393.68 Feet (NAD 83; NAVD 88)

Date Completed: July 14, 2005

Ground Surface Elevation: 25.90 Feet amsl

Total Depth: 21.0 Feet bgs

Top of Casing Elevation: 28.78 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
0			5' steel standpipe (2 ft. bgs) in 2' x 2' concrete pad surrounded by 3 concrete filled bollards				NO LOG OF BORING. Please see MCH-8LA for lithology	25.90
5			Concrete					
			Grout (95% cement 5% bentonite)					
			4" Schedule 40 PVC Blank Casing					20.00
			Bentonite Seal					
10			Filter Pack (#2/12 Sand)					15.00
15			4" Schedule 40 PVC 0.010 Wire-Wrapped Screen					10.00
20								5.00

Notes: Boring Log Reviewed By: D. Goldman 8/31/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-8LA

(Sheet 1 of 2)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-49 Ft.

Geologist: B. Bartelma

Northing: 1,976,435.92 Feet (NAD 83; NAVD 88)

Date Started: July 14, 2005

Easting: 6,106,404.63 Feet (NAD 83; NAVD 88)

Date Completed: July 14, 2005

Ground Surface Elevation: 25.60 Feet amsl

Total Depth: 49.0 Feet bgs

Top of Casing Elevation: 28.44 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
0			5' steel standpipe (2 ft. bgs) in 2' x 2' concrete pad surrounded by 3 concrete filled bollards				0 to 7 ft. SILT: black (5Y 2.5/1), moist, 85% fines with low plasticity, 15% fine sand, trace roots	25
5			Concrete		ML			
			Grout (95% cement 5% bentonite)		ML		7 to 8.5 ft. SANDY SILT: dark gray (5Y 4/1), moist, 60% non-plastic fines, 40% fine to coarse sand	20
			4" Schedule 40 PVC Blank Casing		SM		8.5 to 9 ft. SILTY SAND: olive (5Y 4/3), moist, 60% fine to coarse sand, 40% non-plastic fines	
10					SW-SM		9 to 18 ft. WELL GRADED SAND WITH SILT AND GRAVEL: olive (5Y 4/3), wet, 75% fine to coarse subangular to subrounded sand, 15% fine to coarse gravel, 10% non-plastic fines	15
15					SW-SM		18 to 19 ft. WELL GRADED SAND WITH SILT: dark greenish gray (2 GLEY 3/10G), wet, 90% fine to coarse subrounded sand, 10% non-plastic fines, trace fine gravel	10
20					ML		19 to 21 ft. SANDY SILT: dark bluish gray (2 GLEY 4/5B), moist, 60% non-plastic fines, 40% fine sand	5
					SM		21 to 29 ft. SILTY SAND: dark bluish gray (2 GLEY 4/5B), moist, 60% fine to coarse sand, 40% non-plastic fines, trace gravel, 24 to 29 feet bgs potential slough	

Notes: Boring Log Reviewed By: D. Goldman 8/31/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-8LA (Sheet 2 of 2)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-49 Ft.

Geologist: B. Bartelma

Northing: 1,976,435.92 Feet (NAD 83; NAVD 88)

Date Started: July 14, 2005

Easting: 6,106,404.63 Feet (NAD 83; NAVD 88)

Date Completed: July 14, 2005

Ground Surface Elevation: 25.60 Feet amsl

Total Depth: 49.0 Feet bgs

Top of Casing Elevation: 28.44 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
30					SM			0
					CL		29 to 32 ft. CLAY: dark bluish gray (2 GLEY 4/5B), moist, 90% fines with high plasticity, 10% fine sand	-5
			Bentonite Seal		ML		32 to 34 ft. SILT: mottled olive (5Y 4/3) and dark bluish gray (2 GLEY 4/5B), 90% non-plastic fines, 10% fine sand	
35			Filter Pack (#2/12 Sand)		CL		34 to 37.5 ft. SANDY CLAY: dark bluish gray (2 GLEY 4/5B), moist, 70% fines with medium to high plasticity, 30% fine to medium sand	-10
			Centralizer		SM		37.5 to 39 ft. SILTY SAND: dark bluish gray (2 GLEY 3/5B), wet, 85% fine to coarse sand, 15% non-plastic fines	
40			4" Schedule 40 PVC 0.010 Wire-Wrapped Screen		ML		39 to 42 ft. SANDY SILT: dark bluish gray (2 GLEY 4/5B), moist, 65% fines with medium plasticity, 35% fine to medium sand	-15
			Centralizer		SM		42 to 45 ft. SILTY SAND: dark bluish gray (2 GLEY 3/5B), wet, 75% fine to coarse subrounded sand, 25% non-plastic fines, trace fine gravel	
45					ML		45 to 47 ft. SILT: olive gray (5Y 4/2), moist, 90% low to non-plastic fines, 10% fine sand, calcareous nodules	-20
			Bentonite		CL/ML		47 to 49 ft. CLAY AND SILT: olive gray (5Y 4/2), moist, 90% fines with medium to high plasticity, 10% fine sand	

Notes: Boring Log Reviewed By: D. Goldman 8/31/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-9UA (Sheet 1 of 2)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-29 Ft.

Geologist: P. Weston

Northing: 1,976,966.30 Feet (NAD 83; NAVD 88)

Date Started: July 20, 2005

Easting: 6,106,223.90 Feet (NAD 83; NAVD 88)

Date Completed: July 20, 2005

Ground Surface Elevation: 22.70 Feet amsl

Total Depth: 29.0 Feet bgs

Top of Casing Elevation: 25.07 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
5			5' steel standpipe (2 ft. bgs) in 2' x 2' concrete pad surrounded by 3 concrete filled bollards Concrete		ML		0 to 5 ft. SILT: black (5Y 2.5/1), dry to moist, 90% fines with medium plasticity, 10% fine to coarse sand, roots	20
			Grout (95% cement 5% bentonite)		ML		5 to 7 ft. SILT: dark gray (5Y 4/1), moist, 90% fines with medium to high plasticity, 5% fine to medium sand, 5% fine gravel, calcareous nodules	
10			4" Schedule 40 PVC Blank Casing		ML		7 to 9 ft. GRAVELLY SILT: dark gray (5Y 4/1), moist, 50% fines with low to medium plasticity, 40% fine subangular to subrounded gravel, 10% fine to coarse subangular to subrounded sand	15
			Bentonite Seal		ML		9 to 16 ft. SILT WITH SAND: grayish brown (2.5Y 5/2), moist, 85% fines with low to medium plasticity, 10% fine to coarse subangular sand, 5% fine subangular gravel	10
15			Filter Pack (#2/12 Sand)		SM		16 to 16.5 ft. SILTY SAND: dark grayish brown (2.5Y 4/2), wet, 50% fine to coarse sand, 45% fines with low plasticity, 5% fine gravel	5
					SM		16.5 to 19 ft. SILTY SAND WITH GRAVEL: very dark gray (2.5Y 3/1), wet, 40% fine to coarse subrounded sand, 40% fine to coarse subrounded gravel, 20% non-plastic fines	
20			4" Schedule 40 PVC 0.010 Wire-Wrapped Screen		SP-SM		19 to 23 ft. POORLY GRADED SAND WITH SILT AND GRAVEL: very dark gray (2.5Y 3/1), wet, 55% fine to coarse sand, 35% fine to coarse gravel, 10% non-plastic fines	0
					GW-GM		23 to 24 ft. WELL GRADED GRAVEL WITH SILT AND SAND: very dark gray (2.5Y 3/1), wet, 75% fine to coarse subrounded gravel, 15% fine to coarse subrounded sand,	
					SW			

Notes: Boring Log Reviewed By: D. Goldman 8/31/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING MCH-9UA (Sheet 2 of 2)

Client: US NAVY

Drilling Company: West Hazmat

Project: MOFFETT COMMUNITY HOUSING

Drilling Method: Hollow-stem auger

Project Number: 1990.079D

Sampling Method: Continuous Core

Location: FORMER NAS MOFFETT FIELD, CA

Borehole Diameter: 10 in.0-29 Ft.

Geologist: P. Weston

Northing: 1,976,966.30 Feet (NAD 83; NAVD 88)

Date Started: July 20, 2005





Easting: 6,106,223.90 Feet (NAD 83; NAVD 88)

Date Completed: July 20, 2005

Ground Surface Elevation: 22.70 Feet amsl

Total Depth: 29.0 Feet bgs

Top of Casing Elevation: 25.07 Feet amsl

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Elevation (ft.)
30			Bentonite		SW		10% non-plastic fines 24 to 26.5 ft. WELL GRADED SAND: light olive brown (2.5Y 5/4), wet, 90% fine to coarse rounded sand, 5% non-plastic fines, 5% fine rounded gravel	-5
					CL		26.5 to 28 ft. CLAY WITH SAND: gray (5Y 5/1), moist, 75% fines with high plasticity, 25% fine to coarse rounded sand	
					SM		28 to 29 ft. SILTY SAND: gray (2.5Y 5/1), moist, 60% fine sand, 40% fines with low to medium plasticity	
35								-10
40								-15
45								-20
								-25

Notes: Boring Log Reviewed By: D. Goldman 8/31/05
bgs = below ground surface
AMSL = above mean sea level
NA = not applicable



Project Name: MCH Well Number: MCH-10A
Project Number: 1990-079D Equipment: SNEDECOR DEV. R16
Date: 8/2/05
Site Engineer: MR. G. D. H. Contractor: TEST AMERICA

	Before	Reference Point	After
Depth to Water (ft)	<u>11.16</u>	<u>TDC</u>	<u>11.17</u>
Depth to Sediment (ft)	<u>24.00</u>	<u>TDC</u>	<u>24.15</u>
Thickness of Sediment (ft)	<u>.15</u>		
Depth of Well (ft)	<u>24.15</u>		
Diameter of Casing (ft)	<u>4"</u>		
Water Column Height (ft)	<u>12.94'</u>		
Casing Volume (gals) = $\pi(\text{Diam. of Casing (ft)/2})^2 (\text{Water Column Height (ft)})(7.48 \text{ gals/ft}^3) =$			<u>8.47</u>
Total Volume Purged (gals)	<u>65</u>		Casing Volumes Purged <u>~ 7.7</u>

[illegible]

Notes Sampling Procedures: PUMP ON @ 1552. BAILED & SURGED WHILE PUMPING MCH 2LA. WELL PAIR ACTS AS IF CONNECTED.



WELL DEVELOPMENT LOG / WELL SAMPLING LOG

Project Name: MCH
Project Number: 1990.0190
Date: 8/3/05
Site Engineer: MS SDN

Well Number: MCH-3UA
Equipment: SMEAL DEV P-16
Contractor: TEST AMERICA

	Before	Reference Point	After
Depth to Water (ft)	10.32	TOC	10.44
Depth to Sediment (ft)	26.40	TOC	26.64
Thickness of Sediment (ft)	.20		
Depth of Well (ft)	26.6	BADC (3' stickup) 23.6' bgs	
Diameter of Casing (ft)	4"		
Water Column Height (ft)	16.6		
Casing Volume (gals) = $\pi(\text{Diam. of Casing (ft)}/2)^2 (\text{Water Column Height (ft)}) (7.48 \text{ gals/ft}^3)$			10.9
Casing Volumes Purged			9.6
Total Volume Purged (gals)	~105		

Time	pH	Turbidity (NTU)	Temp (°C)	Conductivity (µmhos)	Dissolved Oxygen (mg/L)	Salinity (%)	Comments
1430	8.86	176.3	21.98	1643	1.67	NM	W/STeady
1433	8.91	101.6	19.65	1073	1.52		no
1435	8.75	79.2	19.61	1070	1.03		
1438	8.84	41.8	19.48	1074	1.57	↓	VISUALLY CLEAR
1440	8.79	40.1	19.39	1075	1.45		TABLE

Notes Sampling Procedures: 1410 STARTED PUMPING. WL REMAINED STEADY



WELL DEVELOPMENT LOG / WELL SAMPLING LOG

Project Name: UCH
Project Number: 1990-079D
Date: 8/30/05
Site Engineer: MS SWN

Well Number: MCH-4LA
Equipment: MEAL DR RIG
Contractor: TEST AMERICA

	Before	Reference Point	After
Depth to Water (ft)	8.81	TDC	26.00
Depth to Sediment (ft)	36.70	TDC	46.81
Thickness of Sediment (ft)	10.3		
Depth of Well (ft)	47' BTDC (3' STUCK UP) 44' bgs		
Diameter of Casing (ft)	4"		
Water Column Height (ft)	38.19		
Casing Volume (gals) = $\pi(\text{Diam. of Casing (ft)/2})^2 (\text{Water Column Height (ft)})(7.48 \text{ gals/ft}^3) =$			25.7
Casing Volumes Purged			4.3
Total Volume Purged (gals)	110		

[illegible]

Notes Sampling Procedures: VERY SOFT BOTTOM. STARTED PUMPING @ 1940



Project Name: MCH
Project Number: 1990.0710
Date: 8/14/05
Site Engineer: MB SDA

Well Number: MCH-5UA
Equipment: SMOAL DEV. RIG
Contractor: TEST AMERICA

	Before	Reference Point	After
Depth to Water (ft)	<u>8.00</u>	<u>TDC</u>	<u>24.80</u>
Depth to Sediment (ft)	<u>26.85</u>	<u>TDC</u>	<u>28.09</u>
Thickness of Sediment (ft)	<u>1.24</u>		
Depth of Well (ft)	<u>28.09</u>	BTDC (3' stickup) 25.09 bgs	
Diameter of Casing (ft)	<u>4"</u>		
Water Column Height (ft)	<u>18.85</u>		
Casing Volume (gals) = $\pi(\text{Diam. of Casing (ft)/2})^2 (\text{Water Column Height (ft)}) (7.48 \text{ gals/ft}^3) =$			<u>12.4</u>
Casing Volumes Purged			<u>5</u>
Total Volume Purged (gals)	<u>~60</u>		

[illegible]

Notes Sampling Procedures: Slow recharge @ 0.7415
still drawing down. pumped @ 1 1/2 gal/minute,



Project Name:	MCH	Well Number:	MCH-7UA
Project Number:	1990.079D	Equipment:	SMAL-DEV-RIG
Date:	8/2/05	Contractor:	AMERICA
Site Engineer:	MBYDH		

	Before	Reference Point	After
Depth to Water (ft)	<u>12.78</u>	<u>TDC</u>	<u>12.80</u>
Depth to Sediment (ft)	<u>23.00</u>	<u>TDC</u>	<u>23.64</u>
Thickness of Sediment (ft)	<u>.64</u>		
Depth of Well (ft)	<u>23.64 (3' stickup) 20.64 bgs</u>		
Diameter of Casing (ft)	<u>4"</u>		
Water Column Height (ft)	<u>10.86</u>		
Casing Volume (gals) = $\pi(\text{Diam. of Casing (ft)}/2)^2 (\text{Water Column Height (ft)})(7.48 \text{ gals/ft}^3)$	<u>7.2</u>		
	Casing Volumes Purged <u>0.3</u>		
Total Volume Purged (gals)	<u>~60</u>		

[illegible]

Notes Sampling Procedures: 1215 Below Quinlan St.

WELL DEVELOPMENT LOG / WELL SAMPLING LOG

Project Name: MCH
Project Number: 1990.0790
Date: 8/2/05
Site Engineer: MB 5 DA

Well Number: MCH-8UA^{MS} 8LA
Equipment: SMEAL DOL RIG
Contractor: TEST AMERICA

	Before	Reference Point	After
Depth to Water (ft)	13.11	BTOC	22.95
Depth to Sediment (ft)	45.60	BTOC	48.87
Thickness of Sediment (ft)	3.27		
Depth of Well (ft)	48.87 BTOC (3' STICKUP)		45.87 bgs
Diameter of Casing (ft)	411		
Water Column Height (ft)	35.74		
Casing Volume (gals) = $\pi(\text{Diam. of Casing (ft)/2})^2 (\text{Water Column Height (ft)})(7.48 \text{ gals/ft}^3)$			23.4
		Casing Volumes Purged	3.4
Total Volume Purged (gals)	~80		

[illegible]

Notes Sampling Procedures: PUMP ON @ 10.45



WELL DEVELOPMENT LOG / WELL SAMPLING LOG

Well Number: MCH-9VA
Equipment: SMEAL WELL DEV RIG
Contractor: TEST AMERICA

	Before	Reference Point	After
Depth to Water (ft)	4.49	TDC	22.45
Depth to Sediment (ft)	26.95	TDC	30.09
Thickness of Sediment (ft)	3.19		
Depth of Well (ft)	30.09 BDC (3' stick up)		27.09 BGS
Diameter of Casing (ft)	4.11		
Water Column Height (ft)	25.16		
Casing Volume (gals) = $\pi(\text{Diam. of Casing (ft)}/2)^2 (\text{Water Column Height (ft)})(7.48 \text{ gals/ft}^3) =$			116.9
		Casing Volumes Purged	4.11
Total Volume Purged (gals)	~70		

Time	pH	Turbidity (NTU)	Temp (°C)	Conductivity (µmhos)	Dissolved Oxygen (mg/L)	Salinity (%)	Comments
0810	9.09	151.0	18.85	925.8	2.45	NM	still silty, WL drawing down
0815	9.13	140.3	19.01	930.4	2.65	↓	WL 21.42
0820	9.20	155.1	19.17	945.1	2.60	↓	still silty
0825	9.17	192.7	18.88	988.2	2.62	↓	WL 22.45
0835						→	turbidity not improving pugged well day. removed 70 gal over 2 days

Notes Sampling Procedures: VERY SLOW RECHARGE. 8/2/05 WELL WAS PURGED
 DRY BY BAILING. RECHARGED ALL DAY, WL ONLY @ 14.49 @ 1607S
 RETURNED 8/3 - WL STILL @ 14.49. @ 0750 STARTED
 PUMPING @ 1/2 gal/min.

